

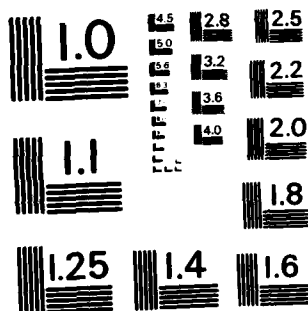
AD-A131 191 TIN CITY AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83

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USAFETAC/DS/83/017 SBI-AD-E850 395

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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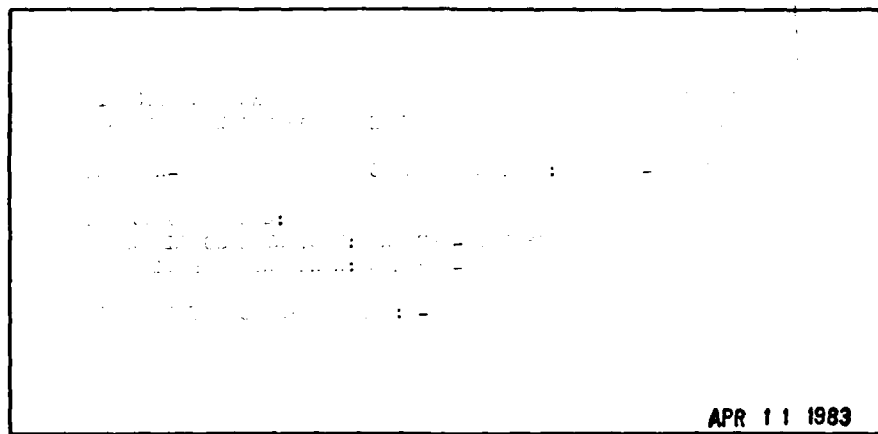
PS # 83017

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Air Weather Service (MAC)

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS 83017	2. GOVT ACCESSION NO. DA13191	3. RECIPIENT'S CATALOG NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for</p> <p>TIN CITY AFS, ALASKA</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)</p>																	

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*ALASKA

*TIN CITY AFS

*

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

Location		
State		
County		
City		
Latitude		
Longitude		
Altitude		
Pressure		
Dist		
A		



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

USAFETAC-DS-83, 97

PDE 850 395

USAR 701 120

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0400, 0500-0800, 0900-1200, 1300-1600, 1700-2000, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
701170	TIN CITY ALASKA AFS	N 65 34	W 167 55	269	PATC	70117

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Cape Prince of Wales AFS Alaska	AFS	May 53	Feb 56	N 65 34	W 167 55	268	271Ft	14 to 24
2	No Change	AFS	Mar 56	Feb 57	No Change	No Change	275	No Chge	24
3	Tin City AFS Alaska	AFS	Mar 57	Feb 59	No Change	No Change	No Change	No Chge	19 to 24
4	No Change	AFS	Mar 59	4 Nov 63	No Change	No Change	273	No Chge	No Chge
5	No Change	AFS	5 Nov 63	Feb 68	No Change	No Change	279	273Ft	No Chge
6	No Change	AFS	Mar 68	Dec 70	No Change	No Change	No Chge	258Ft	No Chge
7	Same	AFS	Jan 71	Feb 83	Same	Same	269	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	May 53 to Feb 55	Located on top of bldg.	AN/GM-1	ML-204B	10Ft	
2	Mar 55 to Feb 59	Located on top of weather Station.	No Change	No Change	No Chge	
3	Mar 59 to Feb 60	Located on top of Observing bldg.	No Change	No Change	20Ft	
4	Mar 60 to Feb 61	1. Located on top of weather Station. 2. Located 500 ft NE of weather Station, 100 ft from touchdown point of Runway.	No Change AN/GM-1	No Change IND. ID373	30Ft 13Ft	
5	Mar 61 to Feb 65	Located 500 ft S of weather Station.	AN/GM-1	No Change	No Chge	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Mar 65 to	Located 360 ft SE of Weather Sta- tion. Same	No Change	No Change	No Chg	
7	Dec 70 Feb 83		Same	Same	Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below.

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-117
STATION

TIN CITY AFS AK
STATION NAME

73-81

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (EST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		.4	1.2	15.5		16.6	21.9		34.5		45.8	770
	03-05		.4	1.0	16.7		17.7	23.6		33.2		46.6	811
	06-08		.2	.9	18.7		19.6	22.5		34.2		46.8	806
	09-11		.4	.7	17.4		18.1	26.0		32.5		47.2	812
	12-14		.3	1.4	17.8		19.3	31.0		32.7		48.8	768
	15-17			.5	21.0		21.3	36.3		28.6		46.5	581
	18-20		.2	1.1	22.3		23.1	36.7		29.9		48.4	471
	21-23		.7	.7	17.4		18.5	26.7		33.8		47.1	604
TOTALS			.3	.9	16.4		19.3	28.1		32.4		47.4	5613

WEATHER CONDITIONS

FILE MONTH

[illegible]

WEATHER CONDITIONS

4 MONTH

[illegible]

WEATHER CONDITIONS

7-1172

~~ILN CITY AFS AK~~

STATION NAME

73-21

YEARS

APR
MONTE

[illegible]

WEATHER CONDITIONS

73-41

MAY
MORNING[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-1170 TIN CITY AFS, AK

73-01

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

DATE	WIND DIRECTION SPEED	WIND GUSTS	RAIN AND OR DRIZZLE	FREEZING RAIN OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN 20-22			100.3	0.0	3.0		100.5	51.2		0.3		51.2	758
23-25			170.1	1.0	0.6		230.4	52.0		0.3		52.0	783
26-28			180.8	0.9	5.3		240.2	52.5		0.6		52.5	788
29-31			170.8	0.6	4.7		220.5	45.8		0.3		45.8	792
12-14			140.5	0.4	3.6		180.4	43.6				43.6	782
15-17			100.1		3.9		190.8	41.3		0.2		41.4	635
18-20			100.9		2.5		100.0	40.7				40.7	511
21-23			100.2	1.0	3.4		210.0	46.0				46.0	610
TOTALS			100.5	0.7	4.1		200.9	46.8		0.2		46.8	5659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-1170

TIN CITY AFS, AK

73-61

YEARS

4th
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURLY OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS'T TO VISION	TOTAL NO. OF OBS
JUL	10-12		27.7		.3		27.8	53.1	.5			53.6	764
	13-15		27.9				27.9	52.2	.5			52.6	804
	16-18		34.5	.1	.2		34.7	46.3	.7			47.2	817
	19-21		25.2		.2		25.2	41.1	.9			41.8	818
	22-24		21.9		.3		22.0	38.1	.8			38.9	792
	25-27	.2	21.7		.7		22.1	42.8	1.0			43.8	615
	28-30		24.9		.6		25.6	43.9	1.2			45.1	401
	31-31		26.8		.3		27.0	46.2	1.0			47.2	619
TOTALS		.0	25.8		.3		26.1	45.5	.6			46.3	5698

WEATHER CONDITIONS

YEARS

DATE	HOURS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S. OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH FIRST TO 4.00 PM	TOTAL PRECIP IN INCHES
AUG	23-22.		3.0.8.		0.6.		31.8.	44.1.	0.6.			44.3.	5.1
	23-23.		33.4.		1.1.		35.8.	48.0.	0.4.			48.4.	216
	26-26.		37.2.		1.1.		37.7.	46.4.	0.2.			46.7.	517
	27-11.		35.5.		0.4.		35.5.	41.3.	1.1.			41.7.	516
	14-14.		32.2.				32.2.	36.2.	0.5.			38.3.	798
	15-17.		31.5.		0.3.		31.5.	34.3.	0.5.			34.3.	645
	16-20.		32.1.		0.7.		32.3.	37.3.	0.5.			37.3.	503
	21-23.		31.1.		0.7.		31.3.	43.8.	0.7.			44.1.	594
TOTALS													
			33.4.		0.4.		33.5.	41.4.	0.5.			41.7.	2803

WEATHER CONDITIONS

72-176

TIN CITY AFS AK
STATION NAME

73-81

YEARS

30 DAY MONTH

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-117-

TIN CITY AFS AK

STATION NAME

73-01

YEARS

607
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-11		5.6	.4	31.2		36.2	12.3		15.2		26.1	213
	13-21		7.2	.9	32.2		38.7	13.4		15.2		27.3	214
	23-31		6.0	.7	31.7		36.8	16.1		13.3		27.6	213
	01-11		5.3	1.1	34.4		40.0	16.4		11.9		26.7	212
	12-14		5.0	1.4	29.7		35.7	15.5		11.9		24.3	779
	15-17		5.2	2.2	25.7		31.0	14.9	.1	7.3		22.5	689
	18-21		5.0	.4	25.5		30.3	14.3		10.6		23.1	502
	22-23		4.4	.2	34.0		37.7	13.5		13.8		25.6	653
TOTALS			5.6	.9	30.6		36.0	14.6		12.0		25.5	5875

WEATHER CONDITIONS

7-1172

TIN CITY AFS AK
STATION NAME

73-51

YEARS

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DATE	HOURS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-24		2.9	1.1	31.3		34.3	23.4	.1	32.1		43.2	705
	03-06		2.3	.0	34.2		30.4	19.2		32.1		43.2	706
	06-09		3.4	1.2	30.7		39.3	20.1		33.7		43.2	707
	09-12		3.9	2.0	33.7		30.1	20.4	.4	32.1		45.2	795
	12-15		2.8	1.8	35.2		30.0	27.7		29.9		45.9	709
	15-18		3.4	1.2	37.1		33.9	31.2		20.7		47.4	701
	18-21		2.3	1.2	30.5		41.4	27.0		34.0		47.9	486
	21-24		3.1	1.2	32.8		30.4	23.4		34.3		40.6	512
TOTALS			2.3	1.3	34.9		30.1	24.5	.1	31.9		45.2	5721

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-117C
STATION

TIN CITY AFS AK
STATION NAME

73-01

YEARS

D.C.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
D.C.	01-02		.2	.4	15.7		16.2	16.2		38.9		47.3	82
	03-05		.2	.4	17.3		17.8	17.2		32.9		49.4	57
	06-08			.0	16.7		17.1	14.9		42.5		49.8	848
	09-11			.5	15.4		15.8	21.1		32.6		49.8	611
	12-14		.1	.3	16.5		16.8	24.9		37.4		49.9	770
	15-17			.3	16.3		16.3	25.7		33.6		47.1	631
	18-20		.2	.2	16.4		16.8	26.4		32.4		46.8	500
	21-23			.3	16.8		19.1	20.3		37.1		47.7	650
TOTALS			.1	.4	16.6		17.0	20.8		37.7		48.5	5779

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72-170

YIN CITY AFS AK

STATION NAME

23-31

YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURLY OBS.	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH BEST TO VISION	TOTAL NO. OBS.
JAN.	ALL		.3	.2	13.4		13.4	10.1		32.4		42.4	5613
FEB.			.6	.2	9.7		10.5	24.7		39.1		40.2	5444
MAR.			.2	.1	11.2		13.4	25.5	.1	41.3		50.5	6151
APR.			.7	.1	10.1		10.4	31.0	.2	30.0		47.7	5067
MAY.			3.6	.0	13.1		18.1	42.9	.1	10.2	.0	41.4	6243
JUN.			10.5	.7	4.1		20.8	46.0		.2		40.1	4559
JUL.		.0	20.0	.1	.3		20.0	45.5	.8			40.3	5698
AUG.			10.4		.4		33.5	41.4	.0			41.7	5962
SEP.			23.0	.2	0.8		29.5	21.0		.7		22.3	5712
OCT.			3.8	.9	3.0		30.0	14.6	.0	12.0		25.0	5875
NOV.			1.3	1.3	34.9		30.1	24.5	.1	31.9		45.4	5721
DEC.			.1	.4	10.6		17.1	20.0		37.7		40.5	5779
TOTAL		.0	7.5	.5	13.9		23.4	30.7	.1	19.7	.0	43.2	64872

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXWEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

701170
STATION

TIN CITY AFS AK
STATION NAME

55-56, 60-P1

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS LEFT	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH BEST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		8.5	6.3	45.7		47.3	58.4		59.9		73.7	615
FEB			6.5	5.4	32.1		33.3	50.9		61.4		73.7	552
MAR			5.0	3.3	39.3		39.9	56.5	.3	63.8		75.2	514
APR			6.2	2.6	51.2	.2	52.4	68.1		52.0		81.3	543
MAY			26.9	10.4	46.3		60.4	78.5	.1	13.5		75.8	772
JUN		.3	59.1	8.1	16.2		64.2	82.8	.1	.4		80.8	667
JUL		.6	73.0	.1	2.1	.1	73.1	83.7	1.8			84.4	726
AUG			75.8		4.0	.1	76.1	76.4	.9			76.4	772
SEP			64.2	1.4	27.7	.2	77.8	56.1		4.4	.2	58.3	643
OCT			27.3	7.1	73.5		80.7	43.1	1.0	29.6		69.2	622
NOV			11.9	6.3	71.7		73.3	49.9	.2	59.5		74.0	587
DEC			5.6	4.3	47.0		47.6	52.4	.2	65.3		78.7	624
TOTALS		.1	30.8	4.6	38.1	.3	60.5	63.1	.4	34.5	.3	75.5	7701

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported out no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

71.175 TIA CITY AFS AK

54-61

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	57.3	18.6	7.7	12.3	7.0	5.6	1.8	.4						26.9	766	.33	3.34	.04
FEB	43.3	13.7	3.4	9.6	4.1	4.0	1.1	.6	.1					22.9	706	.24	3.3	TRACE
MAR	50.0	16.2	3.9	10.0	4.5	4.0	.7	.0						23.6	802	.67	2.93	TRACE
APR	47.6	23.6	6.5	12.3	4.2	4.5	1.3	.5						28.6	796	.69	2.73	.04
MAY	40.1	33.4	5.6	11.4	5.2	3.1	.0	.4						26.5	642	.49	3.7	.04
JUN	36.8	29.2	7.8	12.6	6.1	4.4	2.5	.0						34.0	771	.91	2.29	.11
JUL	25.7	30.2	7.8	12.3	6.0	7.8	5.9	2.0	.6					43.7	795	2.17	6.74	TRACE
AUG	23.2	23.5	7.7	13.6	9.2	12.3	6.0	3.3	1.1					53.3	818	2.95	7.72	.77
SEP	22.2	22.6	7.7	15.3	17.3	11.4	7.3	3.4	.9					57.2	771	2.73	6.42	.23
OCT	20.3	24.5	6.8	18.0	11.9	12.5	4.0	2.0						55.2	754	1.94	4.19	.12
NOV	25.7	21.9	6.9	18.7	10.3	12.2	3.1		.1					51.3	711	1.42	4.99	.26
DEC	53.8	18.6	5.1	11.2	6.1	3.7	1.7	.3						27.6	749	.68	2.12	.00
ANNUAL	39.3	22.9	5.9	13.1	7.2	7.0	3.1	1.2	.2					37.8	9271	16.12		

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DATA EXTENSION

7-11-77 TIK CITY AFS AK

54-21

YEAR:

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	5 MONTHS
54		.36	.21	.96	.43	.03	.27	.71	1.52*	1.43	.31	.23*	.0	1.62
55		.53	.02*	.12	.12	.12	.13	.39	1.61	1.20*	.53	.35*	.17	1.81
56		.13	.13*	.08	.15	.24	.14	1.35	1.20	1.18	.15	.23*	.5	2.12
57		.57*	.23*	TRACE	.19	.22	.17	.21	.41	.49	.91	.21	.0	.95
58		.13	.33	.13	.25	.05*	.13*	TRACE	.42	1.75	.33	.35	.24	1.75
59		.12	.16	.52	.71	.11	.26	.55	.28	.42	.64	.35	.16	.71
60		.18	.21	.14	.26	.27	.52	.31	1.42	1.53	.40	.23	.22	1.53
61		.15	TRACE	.26	.27	.06	.31	1.36	.74	1.12	.37	.23	.25	1.12
62		.42	1.16	.41	.59*	.61	.54	2.01	.52	1.53	.67	.31	.56	2.01
63		.71	.53	.54	.34	.56	.55	.45	.47	.74	.74	.19	.24	.74
64		.04	.30	.04	.19*	.13	*	.06	.53*	.62	*	*	*	
65		.13	.15	.28*	.29*	.36	.43	1.00	1.46	.93*	.16	*	.21	
66		.11	.15	.14	.21	.15	.27	.46*	.24					
67				*	.04	.17*	.16	.53*	.51*	.11	.26*	.14		
68				*	.2	.33		*		.64				
69		*	.22	.14	.06	.14	.16	.66	.41	.11	.72*	.33	.25	
70		.03*	.25	.07*	.02	.24	.23	.24	.33	.32	.58	.37	.26	.35
71		.04	.03	.12	.13	.12	.06	.56	.64	.12	.51	.25	.06	.54
72		.0	TRACE	TRACE	.07	.12	.56	.25	.47	.29	.69	.38	.24	.59
73		.13	.11	.05	.17*	.11*	.06*	1.13	.64	.57	.29	.41	.13	* 1.13
74		.23	.13	.19	.13	.19	.04*	.66*	.51*	.72	.36	.40*	.0	* .72
75		.0	.10	.13	.06	.06	.45	.97	.51	.34	.17	.26	.12	.37
76		.22	.06	.25	.22	.01	.11	.22	.61	.34	.21	.27	.07	.61
77		.16	.28	.15	.14	.16	.27	.33	.26	.62	.24	.18	.0	.62
78		.13	.25	.04	.26	.13	.45	.15	.36	1.00	.35	.50	.32	1.00
79		.17	TRACE	.27	.26	.09	.33	1.26	1.93	.26	.28	1.04	.17	1.93
80		.42	.14	.22	.21	.03	.58	.37	.28	.33	.61	.27	.0	.61
81		.27	.37	.19	.23	.17	.11	.62	.54	.16	.16	.12	.22	.62
MEAN		.170	.215	.198	.233	.157	.293	.637	.782	.693	.426	.315	.157	.677
S.D.		.172	.266	.224	.216	.118	.163	.457	.583	.569	.232	.291	.17	.415
TOTAL OBS		763	776	832	786	842	771	795	818	771	754	711	743	5771

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
X EXTREME VALUES X
MONTHLY PRECIPITATION

17. TIK CITY AFS AK

54-51

FROM 1941 OBSERVATION

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2 MONTHS
46		1.92	.47	2.93	.94	.67	.50	3.49	7.51*	5.79	1.5	1.50*	.71	432.45
45	*	.78	.32*	.47	.32	.25	.69	2.30	5.59	4.51*	2.45	1.20*	.65	414.11
50		.70	.34*	.37	.17	.46	.13	2.80	7.40	3.77	.74	.26*	.47	417.56
57	*	1.40*	.59*	TRACE	.70	.97	.49	.65	1.76	1.37	2.6	1.31	.71	411.14
55		.80	.63	.65	.20	.75*	.25*	TRACE	.67	6.42	1.65	1.20	.63	412.17
59		.70	.37	.93	1.64	.30	.81	2.29	1.12	1.71	1.5	1.06	.44	412.19
61		1.17	.93	.22	.57	.37	.81	.68	3.74	3.7	1.85	1.29	1.1	406.77
61		.57	TRACE	.24	1.12	.19	1.12	2.62	7.34	6.21	1.38	1.52	1.70	406.67
62		2.33	3.30	2.52	2.12*	1.49	1.73	3.22	1.70	5.19	4.19	1.60	2.74	412.66
63		3.34	3.01	2.13	2.73	3.07	2.27	1.64	3.67	1.57	1.73	.31	1.12	406.61
64	*	.47	.69	.76	.92*	.41	*	.16	1.31*	2.46	*	*	.71	
65		.30	.9	1.32*	.50*	1.15	1.53	6.14	7.72	5.10*	.43	*	.43	
66		.27	1.43	.10	.45	.51	.86	2.56*	1.40					
67				*	.4	.41*	.30	2.11*	2.03*	.30	1.43*	.77		
68				*	.11	1.25			*	1.77				
69		*	.20	.40	.20	.30	.55	1.27	2.35	.76	3.89*	1.4	.10	
71		.10*	.23	.19*	.04	.41	.11	1.12	1.31	.90	2.56	1.57	.71	406.79
71		.00	.4	.33	.25	.53	.43	3.85	1.15	.69	1.54	.62	.33	406.96
72		.00	TRACE	TRACE	.20	.21	.83	.56	1.76	1.73	3.59	1.46	.02	404.47
73		.71	.30	.17	.20*	.17*	.25*	2.51	3.52	3.66	2.37	1.26	.49	410.64
74		.60	.75	.17	.21	.34	.26*	2.09*	2.54*	1.78	.12	1.47*	.11	404.95
75		.10	.29	.20	.23	.14	.69	1.27	1.97	1.42	.82	.56	.33	406.37
76		.14	.15	.13	.20	.74	.37	.50	1.56	1.11	1.16	.51	.7	406.17
77		.0	.24	.35	.27	.52	.72	.80	.79	2.55	1.76	.70	.32	406.66
78		.20	.79	.34	.41	.24	1.95	.48	1.80	5.31	2.5	3.35	2.12	406.15
79		.89	TRACE	.32	1.34	.44	1.71	5.75	5.79	1.7	1.13	4.99	.44	403.47
80		1.70	.46	1.17	.34	.77	2.26	1.21	1.42	.70	3.66	2.39	.62	405.15
81		2.50	1.40	.63	.99	.77	.46	2.65	2.70	.23	1.57	1.23	.21	406.17
MEAN		.637	.636	.674	.675	.488	.707	2.170	2.953	2.732	1.743	1.421	.674	405.77
SD		.911	.891	.622	.670	.617	.634	1.553	2.222	2.098	1.594	1.340	.572	406.61
TOTAL OBS		766	706	672	776	342	771	795	818	771	754	711	743	407.1

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

72177 TIL CITY AFS AK

54-51

STATION

STATION NAME

YEARS

PERIOD	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64					
SNOW DEPTH	NONE	TRACE	1	2	3	4	5	6	7	8	9	10	11	12	OVER 12					
JAN	53.7	19.5	12.3	9.5	7.7	1.2	.7	.1								26.7	759	7.2	25.7	TRACE
FEB	54.3	14.0	13.8	7.4	1.6	.8	.3	.5	.2							21.7	651	5.7	29.9	TRACE
MAR	57.9	17.4	12.4	7.2	1.8	.9	.2	.3								22.7	741	5.5	25.2	TRACE
APR	43.5	23.0	15.5	7.8	2.5	1.2	.5	.3	.3							27.7	757	7.2	26.5	.3
MAY	22.3	27.4	12.7	5.6	1.5	.2	.2									20.4	640	7.5	21.4	TRACE
JUN	54.4	9.7	4.5	1.2	.2											5.9	817	.7	3.7	.0
JUL	57.5	1.0	.8		.1											1.0	834	.1	2.0	.0
AUG	55.5	4.0	.2													.2	827	TRACE	.0	.0
SEP	73.1	15.1	5.4	4.8	.6	.5		.1	.7	.1						11.9	724	3.9	24.7	TRACE
OCT	27.8	26.5	17.9	16.8	5.7	1.4	1.4	.5	.1							45.9	760	14.5	32.0	1.6
NOV	28.2	23.2	21.1	17.0	7.5	1.6	.9	.1	.1							48.6	681	13.4	40.8	2.5
DEC	53.7	15.4	13.3	9.5	2.3	1.2	.4	.3								25.7	692	6.9	21.4	.0
ANNUAL	51.5	16.8	11.6	7.2	2.3	.8	.4	.2	.1	.0						21.6	9132	69.4		

USAFETAC FORM 0-15.3 (OLA)

OCT 79

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

EXTREME VALUES SNOWFALL

17. TIV CITY AFS AK

54-11

FROM DATA RELEVATION

STATION

STATION NAME

YEAR

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
54		5.5			5.5	6.2	6.5	6.7	6.8	2.5	7.5	6.6		
55		*TRACE	6.2			6.4	TRACE	6.5	6.2	TRACE*	7.5			
56		6.6*	6.1*	6.8*	6.5*	2.4	6.2	6.7	6.7	11.0	1.5	6.3*	4.6*	11.8
57		6.7*	6.4*	TRACE	6.5	2.2	6.1	6.5	6.5	1.0	6.7	2.1	6.5	5.7
58		6.3	5.1	1.3	6.5	TRACE	6.1	6.7	6.7	1.2	6.1	6.5	2.4*	5.1
59		6.7	1.6	6.2	7.1	6.7	6.2	6.3	TRACE	6.7	1.6	6.5	1.6	7.1
60		1.5*	2.1	6.4	6.6*	6.6	TRACE	6.5	TRACE	6.8	1.6	6.3	2.2*	6.6*
61		1.5	TRACE	6.6	2.7	6.6	TRACE	6.5	6.5	TRACE	1.7	2.2	1.6	3.5
62		4.2*	2.6*	4.1*	5.9*	2.3	6.5*	6.7	6.1*	6.5*	5.7	6.1	1.6*	6.6*
63		6.6	6.3	6.4	6.4	4.4	6.3	6.5	TRACE	6.8	4.4	1.5	3.2	5.4
64		6.1*	3.0*	6.4*	2.1*	1.5	6.1*	6.5	TRACE*	6.7*				
65		6.6*	6.5	6.2*	6.2*	6.4	2.5	6.4	TRACE	6.2*	1.6			
66		1.1*	6.7*	6.5*	2.5*	1.4	TRACE	6.3*	6.5*		1.3*			
67					6.5	2.5	6.5	TRACE	6.5*	6.5	2.3*	1.4		
68					1.1*	2.5				1.2*	1.5*			
69			6.2	1.4	6.6	1.5	TRACE	TRACE	TRACE	6.4	6.3*	6.5		
70		6.6*	6.5*	6.7*	6.2*	6.5	TRACE	6.1*	6.5*	6.7*	2.3*	6.2*	6.7*	7.2*
71		6.5	6.3	1.2	1.3	1.3	6.8	6.5	TRACE	6.4	6.5	6.5	6.7	6.5
72		6.7	TRACE	TRACE	6.7	1.2*	6.4*	6.5*	6.5*	6.5*	6.7*	6.1*	6.4*	6.7*
73		6.6	1.1	6.5	6.7*	6.7*	6.1*	6.7	TRACE	1.4	2.4	1.6	1.5	2.0
74		2.5*	6.3*	6.4*	1.3*	1.4*	6.7*	TRACE	6.5*	TRACE*	1.1*	2.3*		2.5*
75		6.5	6.7	1.5	6.6*	6.6	1.7	6.5	6.5	6.5	2.1	6.1	1.2	3.1
76		6.5	1.3*	6.7*	6.2*	6.2	TRACE	TRACE	TRACE	TRACE	2.4	1.3*	1.6*	2.4*
77		6.6	1.5	1.5	1.7	1.3	6.4	TRACE	6.5	1.5	4.5	1.4	1.5	4.5
78		1.7*	6.5*	6.5*	2.0*	TRACE	6.5*	6.5*	6.5*	6.5*	6.5*	6.5*	6.5*	6.5*
79		1.7	TRACE	6.7	2.0	1.3	6.6	TRACE	6.5	6.4	6.5	1.4	1.7	1.4
80		4.2*	1.1	2.5	2.1*	6.2*	6.1*	TRACE	6.3*	6.3*	6.6*	2.9*	2.2*	6.6*
81		2.7	4.3	2.0	2.3	1.5	6.5	2.0	TRACE	6.5	1.6	1.3	2.5	4.7
MEAN														
		1.75	1.90	1.70	2.42	1.72	6.38	6.12	6.01	1.79	3.13	2.96	1.95	5.69
		1.527	1.947	1.546	2.187	1.760	6.541	6.406	6.342	2.808	1.482	1.943	1.296	2.246
		757	650	741	757	84	607	634	627	794	760	541	691	9132
TOTAL OBS														
NOTE * BASED ON LESS THAN FULL MONTHS														

USAF ETAC FORM 0-88-5 (OLA)

?

FROM A. A. OBERG, JR.

✓ 6 APR 1964

[illegible][illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

7.170 IIN CITY AFS AK
STATION

53-61

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.3	.6	2.8	.3	7.7	13.2	37.4	22.5	16.2	.6				97.9	858			
FEB	1.3	2.7	1.7	.5	2.6	13.6	33.0	22.9	14.1	7.7				96.3	781			
MAR	.1	3.0	1.7	.6	1.3	20.6	28.7	22.0	10.9	7.8	1.6	.6		96.9	863			
APR		3.0	.1	1.1	3.7	11.6	32.2	29.4	12.2	0.1	.5	.0		96.5	839			
MAY	5.0	5.9	3.1	0.3	0.2	15.2	29.1	12.9	6.7	.0	.6	.2		38.1	867			
JUN	57.5	23.3	7.6	2.9	3.7	2.4	2.4	.4						19.2	857			
JUL	14.3	5.6	.1											.1	896			
AUG	26.4	3.0													899			
SEP	12.0	1.9	1.0	1.0	1.3	.5	.2	.5						0.4	669			
OCT	15.5	16.8	12.1	11.4	10.4	19.9	8.5	2.4						64.7	898			
NOV	.1	2.0	3.7	6.6	10.2	27.9	31.1	14.5	3.1					97.1	866			
DEC			2.5	1.0	.0	22.3	31.7	32.7	9.8					100.0	886			
ANNUAL	29.0	6.6	3.6	2.8	3.6	12.3	19.5	13.3	6.2	1.9	.2	.1		63.6	17329			

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNO. DEPTH

700170 TIK CITY AFS AK
STATION STATION NAME

53-91

FROM 1-1-1961 TO 12-31-1961

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHLY
53									TRACE	TRACE		11*	1	
54		43	44	74	19	19	TRACE					14*	18	74
55		17	16*	17	14	10	3	TRACE			10	27*	72	32
56		33	34	36	36	17	5			3	4	5	7	36
57		22	23	23	29	29	0			5	7	13	15	29
58		10	22	29	31	31	TRACE			1	14	24	14	31
59		30	39	48	63	63	12	TRACE	TRACE	TRACE	5	15		63
60		31	39	41	50	29	1			1	2	0	14	50
61		11	7	8	16	9	TRACE	TRACE				11	16	16
62		14	10	10	13	13	1			20	0	9	10	20
63		1	10	9	6	7	TRACE			TRACE	7	5	10	10
64	*	11	9	9	14	11	9			1	3	6	10	14
65		10	6	9	12	10				4	15	19*	25	25
66		20	37	34	26	15	1				0	15	16	37
67		10	10*	17	22	19	3				7	7	5	12
68	*	11*	12	12	13	17				3*	7*	12*	16	
69	*	20*	20*	22	16	9					6*	4		22
70		2*	1	1	1	TRACE				TRACE	10	14	14	14
71		14	15	20	24	26	15			TRACE	7	8	1	29
72		11	11	11	13	12	3			1	0	9	9	13
73		11	14	13	15*	13*	4*			3	4	6	10	15
74		11	6	5	5	5	10			TRACE	TRACE	12*	11	12
75		4	7	8	0	7	1			1	1	9	6	9
76	*	0	5*	6*	3	3	1	TRACE			4	7	7	7
77	*	5	7	7	8	7	1			1	1	16	8	16
78		12	10	11	11	8	TRACE			TRACE	6	14	3	30
79		34	28	26	26	20	6			TRACE	5	26	30	34
80		21	13	15	6	6				TRACE	12	16	10	21
81		12	15	15	13	15	TRACE	1		1	4	5	7	15
MEAN		18.0	17.8	19.8	19.1	15.5	2.7	TRACE		1.7	6.8	12.6	13.4	27.6
S.D.		10.893	12.117	16.874	13.893	12.589	3.989	.192	.000	3.055	3.791	6.438	7.745	14.697
TOTAL OBS		258	781	863	839	867	807	896	899	869	898	666	886	10320

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

2

SURFACE FINDS:

FROM: A. J. DEER, JR.

77-53

442

NOTES * (BASED ON LESS THAN FULL MONTHS)
USAF ETAC FORM 0-88-5 (OLA)
S (BASED ON LESS THAN FULL MONTHS AND +1.0 KNOTS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

17 JAN 73-81
STATION NAME: TIK CITY AFS AK CLASS: ALL WEATHER
MONTH: JAN YEAR: 73-81
HOURS: 24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	.6	3.1	6.5	11.3	5.1	3.1	.1			7.3	23.7
NNE	.3	1.4	2.9	6.4	6.0	6.8	2.5	1.4	.1			7.7	18.9
NE		.4	1.8	1.4	2.3	1.2	.4					7.5	15.3
ENE	.3		.4	.3	.1	.1		.1				1.3	13.3
E		.5	.1	.3		.1						1.3	9.6
ESE			.1	.6	.3	.1						1.2	15.2
SE		.3	.9	.5	.1	.5	.3					2.0	15.2
SSE	.1	.4		1.7	.9	2.1	.8	.1	.4	.1		6.0	22.2
S	.5	.6	1.3	2.6	1.2	1.2	1.4		.1			9.1	16.7
SSW	.1	.6	.1	.8	.1		.1					1.9	11.5
SW		.1	.5	.1	.4	.1	.1					1.4	15.5
WSW	.3	.1	.1		.1							.6	9.8
W	.1		.1	.1	.3							.0	13.2
WNW													
NW													
NNW	.1					.3	.1	.1				.6	23.6
VARBL													
CALM												7.5	
	1.9	4.6	9.1	17.9	18.3	23.8	17.8	4.9	.8	.1		170.2	18.1

TOTAL NUMBER OF OBSERVATIONS 772

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 STATION TIN CITY AFS AK STATION NAME 73-81 YEARS MONTH JAN
CLASS ALL WEATHER HOURS 0500-0500
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	1.3	3.6	8.1	9.2	4.9	2.6	.4			11.2	22.7
NNE	.2	.2	3.5	6.9	5.2	7.5	2.5	1.7	.1	.2		28.8	19.7
NE	.1	.6	1.1	1.1	1.6	1.6	.2					6.5	16.4
ENE	.1	.1	.4	.1	.2	.2						1.2	12.7
E		.2	.5	.4								1.1	9.7
ESE	.1	.2	.2	.4	.4							1.4	11.5
SE		.5	.4	.2	.2	.5	.5					2.4	13.0
SSE		.5	.6	1.2	1.5	1.6	.9	.6		.1		7.1	21.0
S		.7	1.5	2.1	2.0	1.1	.6	.2		.2		8.6	17.0
SSW		.5	.2	1.0		.1						1.9	11.6
SW	.1	.4	.1	.4								1.0	9.4
WSW		.5		.2	.1							.2	9.4
W		.4		.4	.2							1.2	11.9
WNW													
NW													
NNW	.1			.1				.1				.4	17.3
VARBL													
CALM												6.7	
	1.1	6.5	9.6	18.2	19.7	22.0	9.6	5.4	.5	.6		100.0	18.2
TOTAL NUMBER OF OBSERVATIONS													801

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-174
STATION

TIN CITY AFB AK

STATION NAME

73-81

YEARS

JA

NORTH

ALL WEATHER

CLASS

0600-1800

HOURS OF DAY

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	1.5	4.2	6.9	8.3	6.0	2.0	.6			30.5	22.6
NNE	.5	1.5	2.4	5.5	8.4	6.5	3.7	1.1				39.5	19.4
NE		.5	1.1	1.5	1.2	1.0	.2					5.6	15.4
ENE	.1	.5	.2	.1		.1						1.1	8.6
E			.4		.1							.5	10.3
ESE		.1	.4	.5	.2							1.2	12.2
SE	.2	.2	.4	1.2	.2	.2	.5	.4				3.5	17.5
SSE		.5	.9	.9	1.9	2.5	1.1	.1				7.6	19.9
S	.7	1.5	2.0	1.4	1.5	1.1	.4	.1	.1	.1		3.9	14.3
SSW	.6	.5	.9	.7	.4	.2	.1					3.2	10.3
SW	.2			.1								.4	5.3
WSW	.1		.2	.2	.1							.7	10.3
W	.1	.4	.1	.1	.1							.9	8.3
WNW			.2									.2	10.0
NW													
NNW			.2	.1	.1	.1		.1				.7	18.7
VARBL													
CALM													
	2.7	6.6	10.9	16.6	21.1	20.1	12.0	3.8	1.0	.1		100.0	14.0

TOTAL NUMBER OF OBSERVATIONS

626

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-17-70 TWIN CITY AFS AM 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
1970-1970
HOURS PER YEAR

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	.2	3.0	7.8	10.3	4.3	3.1	.6			27.7	23.9
NNE	.2	.2	2.7	6.9	6.5	7.6	2.8	.5				27.6	19.2
NE		.5	1.6	1.6	.6	1.7	.5	.1				5.9	15.9
ENE	.1	.3	.4	.1								1.5	5.9
E		.1		.2								.4	11.3
ESE	.2	.1		.4	.4							1.1	11.2
SE	.2	.1	.6	.6	.6	.7	.7	.1				3.5	16.9
SSE	.1	.4	1.1	1.6	1.2	2.1	1.1	.4				5.1	19.4
S	.6	2.2	2.1	1.2	2.2	1.5	.5					10.3	13.4
SSW	.2	.7	.5	.4	.1	.2						2.2	10.0
SW		.4	.4	.5	.4							1.6	11.3
WSW	.2	.2	.1									.6	4.6
W		.4	.1	.1								.6	7.6
WNW	.1		.1									.2	0.0
NW													
NNW		.1		.2		.2		.4				1.0	23.3
VARBL													
CALM												5.4	
	2.2	6.8	10.0	16.9	19.8	23.8	10.0	4.6	.6			100.0	16.0

TOTAL NUMBER OF OBSERVATIONS

812

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17171 TIK CITY AFS AK STATION NAME 73-81 YEARS JAN
CLASS ALL WEATHER 1200-1400
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.3	2.9	7.6	10.2	4.6	3.0	.5			73.2	24.0
NNE	.1	.7	1.7	7.9	5.9	8.1	3.0	.3				77.6	19.3
NE		.5	1.3	3.0	.7	.5	.7					6.6	14.6
NNE			.1		.3							.4	14.3
E	.3	.5	.3									1.0	4.6
ESE	.3		.3									.5	6.3
SE	.1	.1	.3	.8	.8	1.3	.1					3.5	17.5
SSE	.1	.1	.5	1.7	2.1	1.7	.8	.8				7.6	20.7
S	.7	1.7	1.0	1.7	1.8	2.2	.5					9.6	15.1
SSW	.7	.9	.4	.1	.4							2.9	6.9
SW	.3	1.0		.8								2.1	7.8
WSW	.1	.7	.7	.1								1.5	6.8
W	.1		.5									.7	7.4
WNW													
NW			.1									.1	8.9
NNW				.1	.1	.3	.1					.7	2.2
VARBL													
CALM												6.1	
	2.7	6.5	7.4	19.1	19.5	24.2	9.8	4.0	.5			100.0	17.8

TOTAL NUMBER OF OBSERVATIONS

768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1177 TIN CITY AFS AM STATION NAME 73-81 YEARS JAN MONTH 1500-1700 HOURS - EST 1
CLASS ALL WEATHER
CONDITION

SPEED KNOTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.2	4.5	6.2	7.2	3.8	1.7				25.2	21.6
NNE	.9	1.2	2.4	7.6	5.9	8.3	4.3	.3				31.9	19.1
NE	.2	.2	1.4	4.3	1.9	1.7	.5					10.2	16.1
ENE	.2	.2	.3	.2		.2						1.0	9.8
E	.2	.2	.3	.2								.9	7.8
ESE		.2	.5	.3								1.0	9.3
SE	.3	.2	.5	.5	.7	.7						2.9	14.5
SSE	.5	.2	.3	1.7	3.1	1.6	1.6	.5	.2			9.7	20.2
S	.2	.5	1.4	1.7	1.6	1.7	.3					7.4	16.1
SSW	.5	1.0	.3	1.0								2.9	7.9
SW	.2	.2	.3	.5								1.2	8.7
WSW	.3	.3	.2									.9	4.8
W		.2										.2	5.0
WNW		.2										.2	6.5
NW													
NNW													
VARBL													
CALM												5.5	
	3.4	5.3	9.3	22.6	19.1	21.0	10.5	2.6	.2			100.0	17.2

TOTAL NUMBER OF OBSERVATIONS 58

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-177 STATION TIN CITY AFS AK STATION NAME 73-75,78-81 YEARS JAN MONTH 1900-2000 HOURS 1-24
ALL WEATHER CLASS
CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	.2	5.1	7.2	8.3	1.5	2.8				25.7	71.8
NNE	.2	1.1	3.8	5.1	7.0	5.1	5.7	.8				28.9	19.7
NE		.8	3.2	3.4	2.3	3.4	1.5					14.6	17.1
ENE	.6	.2										.8	3.3
E	.2	.2	.4	.4								1.3	6.3
ESE		.4	.4			.2						1.1	9.4
SE	.6	.2	.4	.2	.4	1.3						3.2	15.2
SSE		.2	1.5	.6	.8	1.5	.2	.2	.2			5.3	18.7
S	.4	.2	1.3	2.5	1.9	.8	.4		.2	.4		8.3	17.6
SSW	.2	.3	.2	.4	.4							2.1	9.8
SW	.2	.4				.2						.3	9.5
WSW		.8										.8	2.5
W													
WNW													
NW													
NNW													
VARBL													
CALM												7.1	
	2.8	5.2	11.5	17.8	20.2	20.8	9.3	3.8	.4	.4		100.0	17.3

TOTAL NUMBER OF OBSERVATIONS

471

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-170 STATION TIN CITY AFS AK 74-81 YEARS JAN MONTH
CLASS ALL WEATHER 110-2300
CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.0	3.5	8.4	17.3	3.6	2.3				27.5	22.1
NNE	.3	1.0	3.0	5.6	5.5	6.3	5.7	1.7				28.3	20.5
NE	.2	1.7	2.2	1.5	2.8	3.7	.2					10.8	16.6
ENE	.2		.5	.7								1.3	15.5
E		.3	.3	.7								1.3	15.3
ESE				.2	.2	.3						.7	20.8
SE	.2	.2		.3	.3	.3	.7					2.3	20.7
SSE	.2	.3	.8	1.2	1.0	1.5	.2	.7	.2	.2		6.6	19.6
S	.3	.7	1.0	2.3	1.2	.5	.7					6.6	19.1
SSW		.3	.7	.2	.3	.2						1.7	12.3
SW	.2	1.0	.3	.3								1.8	6.6
WSW		.3		.3								.7	9.5
W		.2		.2								.3	6.2
WNW													
NW	.2											.2	1.2
NNW	.2			.2	.3	.3		.2				1.2	19.9
VARBL													
CALM												7.1	
	1.8	6.1	9.8	17.1	20.0	22.7	10.3	4.8	.2	.2		100.2	17.9

TOTAL NUMBER OF OBSERVATIONS

604

2

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11717 TIN CITY AFS AK STATION NAME 73-81 YEARS JAN MONTH ALL HOURS LIST
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2	.8	3.6	7.3	9.5	4.4	2.6	.4			29.2	23.5
NNE	.3	1.0	2.7	6.5	6.3	7.1	3.5	1.0	.7	.3		28.6	19.4
NE	.1	.5	1.6	2.1	1.6	1.5	.5	.0				8.0	16.2
ENE	.2	.2	.3	.2	.1	.1		.0				1.1	9.8
E	.1	.3	.3	.2	.0	.0						.9	8.6
ESE	.1	.1	.2	.3	.2	.1						1.0	12.0
SE	.2	.2	.4	.6	.4	.7	.4	.1				3.0	17.3
SSE	.1	.4	.7	1.4	1.6	1.9	.9	.4	.1	.1		7.4	20.3
S	.4	1.1	1.5	1.9	1.7	1.3	.6	.1	.1	.1		8.7	15.5
SSW	.3	.7	.4	.6	.2	.1	.0					2.3	9.9
SW	.1	.4	.2	.4	.1	.0	.0					1.3	9.7
WSW	.1	.4	.2	.1	.1							.9	7.3
W	.1	.2	.1	.1	.1							.6	9.5
WNW	.0	.0	.1									.1	7.6
NW	.0		.0									.2	5.5
NNW	.1	.1	.0	.1	.1	.2	.0	.1				.6	11.1
VARBL													
CALM												6.3	
	2.3	6.1	9.6	18.2	19.7	22.9	12.3	4.3	.6	.2		120.7	17.9

TOTAL NUMBER OF OBSERVATIONS

5612

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1170 TIN CITY AFS AK STATION NAME 77-81 YEARS MONTH FILE 0000-0200 HOURS U.S.T.

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.5	4.9	6.2	14.4	11.7	4.7	1.2			43.6	25.4
NNE	.4	1.7	2.5	7.3	6.0	6.3	1.1	.4	.3	.4		25.7	16.4
NE		.3	.5	1.1	1.6	1.6	.1	.3				5.6	18.4
ENE		.1										.1	4.0
E	.1											.1	2.0
ESE		.1										.1	0.0
SE		.3	.3		.7	.4	.3					1.9	10.4
SSE	.1	.1	.4	1.4	.5	1.4	.3					4.3	17.2
S	.4	1.1	.8	1.1	.8	.1						4.4	10.8
SSW	.3	.8	.7	.1								1.9	6.2
SW	.7	.4		.1	.3							1.5	6.5
WSW	.1											.1	2.0
W													
WNW													
NW													
NNW				.3	.1	.4		.1				1.0	22.1
VARBL												9.3	
CALM													
	2.2	4.7	5.8	16.3	16.3	24.7	13.5	5.5	1.2	.4		100.0	18.9

TOTAL NUMBER OF OBSERVATIONS

728

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 117 TIN CITY AFS AK STATION NAME 73-R1 YEARS FEB NORTH
ALL WEATHER CLASS 1500-1500 HOURS LST
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	1.7	4.0	7.5	15.8	7.0	6.2	.8	.1		43.4	24.2
NNE	.1	1.6	3.4	6.1	7.3	5.2	2.3	.3	.1	.4		26.8	18.3
NE		.1	.7	1.2	1.3	1.5	.1					4.7	17.6
ENE	.1			.5								.7	14.2
E				.3	.1							.4	14.6
ESE				.1								.1	14.0
SE				.1	.1	.7	.3					1.2	23.9
SSE	.1	.1	.3	.7	1.2	.7	.5					3.6	19.1
S	.8	1.7	1.3	1.3	.8	.4	.1					6.5	12.5
SSW	.7	.7	.1	.4	.1							2.0	7.1
SW	.3		.1									.4	5.3
WSW				.1								.1	12.0
W		.1										.1	8.0
WNW													
NW				.1								.1	15.0
NNW		.1		.3	.7	.7						1.7	18.7
VARBL												7.9	
CALM													
	2.4	5.0	7.7	15.2	18.7	24.8	12.3	6.5	.9	.5		100.0	18.9

TOTAL NUMBER OF OBSERVATIONS

755

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 117 TIN CITY AFS AK STATION NAME 73-81
ALL WEATHER CLASS 500-1800 HOURS - LT

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.3	3.2	11.2	14.4	7.3	5.2	1.6			43.1	25.1
NNE	.1	.7	4.4	5.8	7.3	7.5	2.2	.3		.4		78.7	18.8
NE	.1		.4	.7	.9	2.1						4.2	17.2
ENE	.3			.1								.4	6.3
E				.3	.1	.1						.5	17.1
ESE					.1							.3	10.2
SE				.4	.1	.7		.1	.2			1.6	25.9
SSE		.5	.5	1.3	1.1	.2	.3					4.2	16.7
S	1.3	2.1	1.9	.7	1.1	.3						7.3	9.8
SSW	.1	.7	.3	.3								1.3	7.2
SW	.5	.1	.1	.1	.1							.8	9.1
WSW	.4			.1								.5	4.8
W													
WNW		.1										.1	4.1
NW													
NNW				.1	.3	.3						.7	19.6
VARBL													
CALM												6.2	
	2.6	4.1	7.8	13.1	22.5	26.2	9.8	5.4	1.9	.4		100.1	19.2

TOTAL NUMBER OF OBSERVATIONS

756

GLOBAL CLIMATOLOGY BRANCH
C/AFCTAC
AL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 : 17
STATION

TIN CITY AFS AK

72-81

FILE

ALL WEATHER
CLASS

930-1100

CONCLUSION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.3	3.4	10.6	15.7	7.4	3.4	.9			42.4	23.9
NNE	.3	.8	2.3	5.3	7.8	7.7	1.6	1.5	.3			26.7	19.8
NE	.1	.1	.4	.9	1.1	1.9	.7	.1				5.3	19.6
NNE		.1	.1			.1						.4	12.7
E			.1									.4	12.7
ESE												.4	12.7
SE		.5	.4	.1	.1	.4		.1	.4			2.1	20.1
SSE	.1	.5	.7	.9	.7	.5	.5	.1				4.1	15.8
S	.9	1.6	2.4	.9	.5	.4						6.6	9.4
SSW	.1	1.1	.3	.3								1.7	6.6
SW	.3	.5	.1	.3	.1							1.3	7.6
WSW	.1	.1	.1	.3								.7	8.4
W	.1	.1										.3	3.5
WNW													
NW				.1								.1	10.5
NNW				.1	.7							.8	17.1
VARBL													
CALM												6.9	
	2.1	5.8	8.2	12.7	21.6	25.3	10.2	5.3	1.6	.1		120.0	10.0

TOTAL NUMBER OF OBSERVATIONS

754

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7.170 TIN CITY AFS AK STATION NAME 77-81 YEARS
CLASS ALL WEATHER MONTH FEB
HOURS (LST) 1200-1400
CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	.7	5.1	8.7	13.4	7.2	5.1	.5	.1		4.23	24.2
NNE	.1	.2	2.0	5.8	6.6	7.3	3.7	.3	.4			26.6	19.7
NE	.4	.4	.9	.7	1.6	2.2	.3					6.5	17.2
ENE	.3				.3	.3						.3	14.3
E	.1											.1	1.0
ESE		.1										.1	5.0
SE		.1	.3	.8	.3	.7			.4			2.2	19.6
SSE	.1		.9	.7	.7	.4	.7					3.7	16.9
S	.9	2.7	1.2	2.3	.3	.1						6.9	9.9
SSW	.4	.4	.4	.3								1.5	6.6
SW	.5	.3	.3									1.1	4.5
WSW	.4	.3										.7	3.6
W	.3											.3	2.5
WNW													
NW													
NNW	.1			.1	.8	.3						1.4	10.3
VARBL													
CALM												7.6	
	3.8	5.1	6.8	15.9	18.6	24.3	11.1	5.4	1.4	.1		10.0	16.4

TOTAL NUMBER OF OBSERVATIONS 738

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 177 TIN CITY AFS AK STATION NAME 77-81 YEARS FEB MONTH 1500-1700 HOURS LST
ALL WEATHER CLASS
CONDITION

SPEED KNOTS D R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.9	4.2	8.2	11.5	6.7	4.6		.5		37.2	24.4
NNE	.3	1.5	3.3	6.5	6.7	9.0	2.3	1.7	.5			31.2	19.5
NE		1.1	.5	1.0	1.2	2.7	.6					7.0	17.7
ENE	.2		.2									.3	5.5
E	.3											.3	2.5
ESE	.3	.2		.2								.6	6.3
SE	.2	.2	.3	.2	.2	.2		.3				1.4	16.3
SSE		.6	.3	.8	1.1	.8	.2	.2				1.9	17.5
S	.8	.8	1.5	2.6	.2	.2						6.0	19.1
SSW	.6	1.5	.2	.3								2.0	5.1
SW	.3		.2									.2	4.7
WSW		.3										.3	5.2
W		.2										.2	5.0
WNW													
NW													
NNW					.5	.2						.6	20.3
VARBL													
CALM												8.0	
	2.9	7.0	7.3	16.1	17.3	23.8	9.8	6.8	.5	.5		100.0	14.3

TOTAL NUMBER OF OBSERVATIONS 646

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1171 IIN CITY AFS AK STATION NAME 73-75,78-81 YEARS FEB NORTH
ALL WEATHER CLASS 1800-2000 HOURS LST
CONDITION

SPEED KNTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.6	1.9	6.4	7.7	5.4	5.0	.2			27.3	25.2
NNE	.8	2.1	4.6	4.6	6.2	11.0	2.7	1.7				33.5	18.9
NE		.4	1.0	2.1	1.9	3.5	1.7					15.6	19.9
ENE	.2											.2	3.7
E			.2									.2	6.0
ESE			.6									.6	9.3
SE	.2	.2	.2									.2	5.3
SSE	.2	.2	.6	.8	1.2	1.2	.4					4.3	17.7
S	.2	1.7	1.2	2.9	.6	.2						6.3	12.4
SSW	1.0	1.1										2.1	3.0
SW	.8	.4										1.2	3.7
WSW	.6		.2									.8	3.3
W													
WNW													
NW					.2							.2	20.0
NNW					.4							.4	18.0
VARBL													
CALM												10.4	
	4.1	6.4	9.3	12.2	17.0	23.6	10.1	6.8	.2			123.0	17.3

TOTAL NUMBER OF OBSERVATIONS 483

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 74-84
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS LST

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5		.9	3.4	5.1	12.9	9.8	4.8	.3			37.7	25.1
NNE	.3	1.4	2.7	7.4	7.2	6.2	2.2	1.0	.7			29.2	18.9
NE			.2	2.1	1.4	2.1	.5	.5				6.7	5.7
ENE	.2		.2									.3	5.5
E		.3										.3	4.5
ESE													
SE	.2		.3	.2								.7	7.5
SSE	.2	.5	.9	1.4	.5	.9	.9					5.1	10.3
S	.3	1.2	.9	2.1	.5	.5						5.5	11.5
SSW	1.2	.3	.2		.2	.2						2.1	5.8
SW	.2		.2									.2	5.0
WSW		.2	.2									.3	7.0
W													
WNW													
NW													
NNW				.2	.2							.3	17.5
VARBL													
CALM												11.3	
	3.1	3.2	6.5	16.6	15.1	22.6	13.4	6.3	1.0			100.0	18.2

TOTAL NUMBER OF OBSERVATIONS 583

GLOBAL CLIMATOLOGY BRANCH
CSAFETAC
ATF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7-1170	TIN CITY AFS AK	73-81	FEB
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			ALL
CLASS			HOURS - L B Y 1
CONDITION			

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.9	3.9	8.0	13.4	7.9	4.9	.7	.1		4.2	24.7
NNE	.3	1.2	3.1	6.1	6.9	7.3	2.1	.8	.3	.2		20.3	19.0
NE	.1	.3	.6	1.2	1.4	2.1	.4	.1				6.1	18.7
ENE	.1	.0	.1	.1	.0	.1						.4	10.1
E	.1	.7	.0	.1	.0	.0						.3	9.8
ESE	.0	.1	.1	.0	.0							.2	9.5
SE	.1	.2	.2	.2	.2	.3	.1	.1	.1			1.5	19.7
SSE	.1	.3	.6	1.0	.9	.8	.5	.0				4.1	17.1
S	.8	1.5	1.4	1.7	.6	.3	.0					6.3	9.9
SSW	.5	.8	.3	.2	.0	.0						1.9	6.0
SW	.4	.2	.1	.1	.1							.9	6.0
WSW	.2	.1	.1	.1								.4	5.4
W	.1	.1										.1	3.8
WNW		.0										.0	4.0
NW			.0	.0	.0							.1	17.0
NNW	.0	.0	.1	.5	.2		.0					.9	19.1
VARBL													
CALM												8.3	
	2.8	5.2	7.4	14.8	18.6	24.5	11.0	5.9	1.1	.3		100.0	14.6

TOTAL NUMBER OF OBSERVATIONS 5443

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK

73-81

MAC
MONTH

ALL WEATHER

0000-2400
HOURS (LST)

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.5	5.9	13.2	17.7	7.4	1.5				47.7	22.1
NNE	.4	1.7	1.8	5.3	6.7	8.8	3.1	2.3				29.7	21.1
NE	.1	.1	.5	.2	.6							1.5	12.9
ENE				.4								.4	12.7
E	.1	.1	.6	.1								1.5	7.4
ESE													
SE	.4		.1	.6	.2	.2	.2					1.6	15.4
SSE	.1	.2	.5	1.6	2.0	1.1	.4					3.7	17.4
S	.1	.4	1.2	1.0	.6							3.3	11.3
SSW	.2			.4	.4							1.0	13.3
SW	.2	.1	.6	.1								1.1	6.2
WSW		.1										.1	4.3
W													
WNW													
NW		.1										.1	4.5
NNW	.1		.1	.4	.4	.1	.4					1.5	10.8
VARBL													
CALM												4.8	
	1.8	2.7	7.0	15.9	24.1	28.0	11.5	3.8	.4			100.0	19.3

TOTAL NUMBER OF OBSERVATIONS

819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-177 STATION TIV CITY AFS AK STATION NAME 73-81 YEARS MAP NORTH
ALL WEATHER CLASS 3322-0000 HOURS - LST
CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.7	4.1	13.6	18.2	6.9	1.9				47.1	22.4
NNE		.5	2.7	4.1	6.8	8.2	4.7	2.1	.2			19.3	21.7
NE	.1	.2	.4	.6	.7	.6			.1			2.8	12.5
ENE		.1	.2									.4	7.7
E	.2		.5	.1								.9	7.1
ESE		.1										.1	4.2
SE	.2	.2	.5	.5	.9	.6						2.9	14.7
SSE	.2	.4	1.1	1.3	1.1	.7	.4					5.2	15.2
S	.4	.6	1.2	1.0	1.1	.1						4.4	11.3
SSW	.4	.1	.2									.7	4.3
SW		.2	.2	.5								1.0	9.3
WSW	.1		.1	.1								.4	7.3
W		.1	.1									.2	8.2
WNW				.1								.1	15.2
NW	.1											.1	1.0
NNW			.1	.1	.4	.4	.5					1.5	22.1
VARBL													
CALM												3.0	
	1.8	3.7	9.1	12.7	24.6	28.8	12.5	4.0	.4			120.0	19.7

TOTAL NUMBER OF OBSERVATIONS

822

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-1170 TIN CITY AFS AK STATION NAME 77-81 YEARS
CLASS ALL WEATHER
CONDITION
MAP MONTH 1000-0000
HOURS (S.T.)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	1.0	0.0	12.2	19.6	7.9	1.2	.4			49.1	22.4
NNE	.1	.6	2.6	3.4	6.6	8.0	4.4	1.9	.2			37.9	21.8
NE	.2	.4	.4	.6	.7	.9			.1			3.3	16.4
ENE		.1	.4									.5	8.3
E			.2									.2	1.0
ESE		.1	.1									.2	7.5
SE		.5	.1	.1	.1	.4						1.2	14.7
SSE	.4	1.1	.7	1.1	1.2	1.1	.2	.2				6.1	12.1
S	.4	.6	1.6	1.3	1.0	.4						5.2	11.7
SSW	.4	.2	.1	.4	.1							1.2	8.0
SW	.2	.5	.2	.2								1.2	6.6
WSW		.1	.1	.1		.2						.0	14.2
W													
WNW													
NW													
NNW				.4	.2	.9	.1					1.0	21.5
VARBL													
CALM												1.0	
	1.9	5.1	7.5	13.6	22.0	31.0	13.0	3.4	.7			100.0	20.0

TOTAL NUMBER OF OBSERVATIONS

822

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1170
STATION

TIN CITY AFS AK
STATION NAME

73-81
YEARS

MAP
MONTH

ALL WEATHER
CLASS

1900-1170
HOURS LL ST T

CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	1.5	6.6	12.9	18.3	5.6	2.1				47.5	22.1
NNE	.1		1.3	4.1	6.7	9.8	4.1	2.4	.1			26.8	22.6
NE	.2	.5	.1	.6	.4	.5		.1	.2			2.7	18.9
ENE		.2	.1	.4								.7	9.8
E	.2											.2	3.2
ESE			.1	.1								.2	11.5
SE	.6			.1		.1	.2					1.1	12.3
SSE	.2	.9	.2	1.0	.6	1.1	.2					4.3	15.3
S	.4	1.1	1.1	2.2	.7	.6						6.1	12.2
SSW	.2	.6	.1	.6	.2	.1						1.9	10.8
SW		.2	.1	.4	.1	.1						1.0	12.5
WSW		.1	.1		.1							.4	10.7
W			.1									.1	7.2
WNW													
NW													
NNW	.1			.2	.2	.2	.2					1.1	19.6
VARBL													
CALM												3.9	
	2.2	4.0	5.0	16.3	22.0	31.0	10.7	4.6	.4			100.0	19.7

TOTAL NUMBER OF OBSERVATIONS

823

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73-81
YEARS

MAP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS U.T.

CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	1.9	5.5	13.7	19.0	5.6	1.7				47.4	21.9
NNE		1.7	1.2	3.0	9.7	8.1	4.7	2.0	.1			29.9	21.9
NE	.2	.2	.1	.7	.6	.9	.1					3.0	16.9
ENE				.1								.1	12.0
E	.1	.1										.2	2.5
ESE	.1				.2							.4	13.3
SE		.1	.4	.1	.2							.9	11.9
SSE	.4	.4	.5	.6	1.2	1.2	.2					4.6	16.2
S	.1	.9	1.5	1.5	.9	.5						5.5	12.5
SSW	.2	.1	.6	1.1		.1						2.2	11.4
SW	.1	.1	.2	.1	.2							.9	11.0
WSW		.1	.1									.2	6.5
W			.1									.1	8.0
WNW		.1										.1	5.0
NW			.1									.1	9.0
NNW			.1	.1	.2	.4	.1					1.0	20.5
VARBL													
CALM												5.2	
	1.5	3.9	7.0	13.0	26.4	30.3	10.8	3.7	.1			100.0	19.6

TOTAL NUMBER OF OBSERVATIONS

872

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-117- TIN CITY AFS AK 73-81
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1952-1979
HOURS IN SET

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.4	5.0	13.3	18.3	6.2	1.6				46.5	22.1
NNE	.1	1.7	2.0	3.0	9.2	8.1	4.5	1.8	.3			3.0	21.5
NE	.1	.3	.3	.7	1.3	2.4	.4	.1				5.7	20.1
ENE		.1	.1									.3	20.5
E			.1									.1	10.0
ESE													
SE	.1	.1	.1	.3	.7	.1						1.0	14.7
SSE		.4	.4	1.0	1.6	.7						4.1	16.1
S		.3	1.4	1.3	.4	.4	.1	.3				4.2	14.9
SSW	.3	.6	.3	1.3	.1							2.5	9.0
SW		.1										.1	4.0
WSW													
W	.1	.1										.3	4.5
WNW		.1										.1	6.0
NW				.1								.1	15.0
NNW		.1	.4	.3	.4	.1						1.4	14.3
VARBL													
CALM												2.8	
	.8	4.1	6.7	12.9	27.1	30.2	11.3	3.8	.3			100.0	14.9

TOTAL NUMBER OF OBSERVATIONS

756

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
1170

TIN CITY AFS AK

STATION NAME

73-81

YEARS

MAP
NORTH

ALL WEATHER
CLASS

1900-2000
HOURS (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.0	5.3	13.5	16.4	7.8	2.8	.2			40.7	22.6
NNE	.5	1.7	3.2	3.0	7.3	8.8	4.0	1.5	.2			30.1	20.5
NE	.2	.3	.2	.3	1.8	2.0	.2	.5	.2			5.7	21.5
NNE	.2				.2							.3	11.0
E			.2	.2								.3	10.5
ESE			.2	.2								.3	11.4
SE		.3			.7	.2						1.2	10.1
SSE		.2	.7	1.5	.3	.3						3.0	14.4
S	.2		1.7	.7	.7	.3	.2					3.7	13.5
SSW	.2	.3	.5		.2							1.2	7.6
SW	.3	.2										.5	2.7
WSW		.2										.2	5.0
W													
WNW	.2											.2	3.0
NW	.2											.2	3.0
NNW		.2	.5	.2	.8	.5			.2			2.3	18.1
VARBL													
CALM												2.2	
	1.7	4.0	8.0	12.4	25.5	28.5	12.2	4.8	.7			100.0	20.2

TOTAL NUMBER OF OBSERVATIONS

599

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 7 175 TTN CITY AFS AK STATION NAME 77-81 YEARS 4 AS NORTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.3	1.5	6.1	14.2	17.4	6.4	1.5	.1			47.9	21.8
NNE	.3	.5	2.3	4.6	8.1	6.1	4.6	2.3	.3			29.2	21.3
NE	.1		.4	.9	.9	.8						3.3	16.6
ENE	.1			.3								.4	9.0
E			.5									.5	7.8
ESE				.4								.4	13.3
SE	.1	.1	.1	.3	.7	.5	.1					2.7	17.8
SSE		.3	.7	1.4	1.2	.9						4.5	16.4
S	.4	.7	1.4	1.2	.4	.3						4.3	16.6
SSW	.1	.4	.1	.7		.1						1.5	11.0
SW			.1									.1	7.0
WSW	.1	.1										.3	3.0
W		.1										.1	4.0
WNW													
NW													
NNW				.1	.8	.5	.1	.3				1.9	23.0
VARBL													
CALM												3.5	
	1.8	2.6	7.2	16.0	26.5	26.7	11.3	4.1	.4			100.0	19.5

TOTAL NUMBER OF OBSERVATIONS 737

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71170 TIN CITY AFS AK STATION NAME 73-81 YEARS
CLASS ALL WEATHER MONTH ALL
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.4	5.7	13.2	18.2	6.8	1.8	.1			47.7	22.2
NNE	.2	.3	2.1	3.8	7.6	8.3	4.3	2.1	.2			29.3	21.6
NE	.2	.3	.3	.6	.8	.9	.1	.1	.1			3.4	17.9
ENE	.0	.1	.1	.1	.0							.2	9.3
E	.1	.0	.3	.0								.5	7.2
ESE	.0	.0	.0	.1	.0							.2	11.1
SE	.2	.2	.2	.3	.4	.2	.1					1.6	14.9
SSE	.2	.5	.6	1.2	1.2	.9	.2	.0				4.8	15.9
S	.2	.6	1.4	1.3	.7	.3	.0	.0				4.6	12.1
SSW	.3	.3	.2	.6	.1	.0						1.5	10.0
SW	.1	.2	.2	.2	.0	.0						.8	8.5
WSW	.0	.1	.1	.0	.0	.0						.3	9.2
W	.0	.0	.0									.1	6.3
WNW	.0	.0	.0	.0								.1	7.3
NW	.0	.0	.0	.0								.1	6.4
NNW	.0	.0	.1	.2	.4	.4	.2	.0	.0			1.5	20.0
VARBL													
CALM												3.2	
	1.7	3.7	7.2	14.1	24.7	29.4	11.7	4.0	.4			170.3	19.7

TOTAL NUMBER OF OBSERVATIONS 6130

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-170 STATION NAME TIN CITY AFS AK 73-81 YEARS APR MONTH
ALL WEATHER CLASS 000-2200 HOURS (LST)
CONDITION

SPEED (KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.3	.4	1.6	7.5	10.2	16.2	4.4	.8				41.2	21.6
NNE	.1	1.3	2.3	5.0	5.1	7.1	1.8					22.7	18.2
NE	.5	.6	1.3	1.5	.9	.9	.8					6.4	14.7
ENE	.1	.1	.1									.4	6.0
E	.3		.1	.3								.6	7.8
ESE	.4	.1										.5	3.5
SE	.1	.5	.6	.8	.3	.4						2.6	11.9
SSE	.5	.3	.6	2.0	1.0	1.4	.1					5.9	15.3
S	.6	.9	.8	1.1	.6	.8						4.8	12.0
SSW	.8	.5	.6	.9	.5							3.3	9.4
SW	.4		.4	.8								1.5	9.3
WSW		.1		.1								.3	8.0
W			.1	.1								.3	10.0
WNW				.1								.1	13.0
NW													
NNW		.3	.4	.9	.8	1.0						3.3	16.7
VARBL													
CALM												6.3	
	4.0	5.0	8.9	21.1	19.3	27.7	7.0	.8				100.0	16.7

TOTAL NUMBER OF OBSERVATIONS 798

2

GLOBAL CLIMATOLOGY FRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 17 TIN CITY AFS AK STATION NAME 73-81 TELER 860 NORTH
ALL WEATHER CLASS 0300-0500 HOURS LAST
CONDITION

SPEED KN DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.2	1.4	5.3	9.8	16.9	3.8	1.0	.3			4.0	21.3
NNE		1.8	2.6	4.4	6.6	6.9	1.8					2.4	10.7
NE	.3	.4	1.3	2.5	.6	1.1	.3					0.4	14.6
NNE		.3	.1	.4								.8	9.3
E	.1	.1	.1	.3								.6	9.2
ESE		.4	.1									.5	5.8
SE		.5	.6	.5	.1	.1						1.2	12.6
SSE	.5	.4	.4	2.3	1.5	.9	.1					0.2	14.9
S	.6	1.1	1.1	.9	1.3	.5						5.5	11.8
SSW	.5	.5	.3	.8	.5	.3						2.3	11.5
SW	.1		.4	.3								.4	9.5
WSW				.3								.3	13.5
W		.1										.1	5.2
WNW													
NW			.1	.1								.3	10.5
NNW		.1	.3	.5	.9	.5	.3					2.5	17.9
VARBL													
CALM												7.1	
	2.4	6.5	8.8	19.3	21.3	27.2	6.1	1.0	.3			12.2	16.7

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 Af 2
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	2.3	5.3	8.6	16.5	4.1	1.3	.3			38.8	24.2
NNE	.1	1.3	2.6	4.1	7.3	8.9	1.8					25.3	19.1
NE	.4	.6	.9	3.0	.5	.5						5.9	12.3
ENE	.1	.1	.3	.3								.8	8.7
E	.3			.1								.4	5.3
ESE	.4	.4	.1									.9	4.1
SE	.1	.1	.9	.1	.6	.4						2.3	13.3
SSE	.6	.5	.9	1.5	1.6	1.8	.3					7.1	15.8
S	.3	.8	.6	1.0	1.5	.6						4.8	13.7
SSW	.5	.1	.5	.8	.9	.3						3.3	12.9
SW			.5	.1								.6	9.6
WSW	.1	.1										.3	4.0
W	.1	.3	.4									.8	5.7
WNW	.1											.1	2.0
NW		.1										.1	4.2
NNW		.1	.4	.4	1.3		.1					2.3	15.6
VARBL													
CALM												6.4	
	3.4	4.5	10.3	16.7	22.1	28.9	6.3	1.3	.3			100.0	17.8

TOTAL NUMBER OF OBSERVATIONS 798

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7.170 TIM CITY AFS AK STATION NAME 73-81 YEARS APO MONTH 1900-1100
CLASS ALL WEATHER HOURS 11.87
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	3.0	5.3	10.9	15.2	2.8	1.6				37.4	20.8
NNE	.1	1.2	2.3	4.0	5.4	8.9	2.6	.3				24.6	19.8
NE	.1	.5	.9	2.9	1.8	.6	.1					6.9	14.5
ENE	.1	.4	.1									.6	5.3
E		.1										.1	4.5
ESE		.1		.1								.3	4.5
SE	.1	.4	.3	.6	.3	.3						1.9	12.5
SSE	.5	.9	1.1	2.3	1.1	1.7	.9					7.8	19.1
S	.3	.8	.4	1.8	2.0	.8	.3					6.1	13.2
SSW	.3	.6	.1	.4	.6	.3						2.3	10.8
SW	.1	.4	.4	.4	.1	.1						1.5	10.0
WSW	.7	.3	.1	.4	.3							1.3	9.4
W	.3	.3	.3									.8	6.7
WNW	.1											.1	2.2
NW													
NNW			.1	.1	.6	.1		.4				1.4	23.5
VARBL													
CALM												4.5	
	4.9	6.1	9.0	18.2	23.1	27.2	6.6	2.3				170.3	17.4

TOTAL NUMBER OF OBSERVATIONS 797

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 0170 TIN CITY AFS AK STATION NAME 73-31 YEARS 47
CLASS ALL WEATHER 1200-1400
HOURS (LST)
CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	1.5	5.3	11.5	15.7	2.5	.5				14.5	24.6
NNE	.5	1.5	2.1	4.4	5.2	8.2	3.0	.5				25.5	19.1
NE	.1	.9	.9	2.4	2.7	1.0						7.8	15.2
ENE	.3	.3	.3	.1								.5	5.4
E		.1		.1								.5	9.1
ESE		.1		.3	.1							.5	11.8
SE		.3	.5	.1		.4	.1					1.4	14.5
SSE	.3	.5	.9	1.5	1.8	.8	.4	.4				6.4	16.7
S	.1	1.3	1.4	1.6	1.6	.9						6.4	13.5
SSW	.3	.5	.3	.3	1.1	.5						2.9	14.8
SW	.4	.3	.1	.5	.4							1.6	10.5
WSW	.1	.5	.1	.5								1.3	8.6
W	.3		.3									.5	5.8
WNW													
NW	.1											.1	2.7
NNW			.4	.6	.3		.3					1.5	17.2
VARBL													
CALM												4.5	
	2.5	7.2	8.7	17.8	24.6	27.4	6.3	1.4				100.0	17.3

TOTAL NUMBER OF OBSERVATIONS

792

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7.17th TIN CITY AFS AK 73-81 APR 1980-1700
STATION NAME CLASS MONTH HOUR (LST)
ALL WEATHER
CONDITION

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	2.4	5.2	10.7	12.3	2.8					34.1	20.2
NNE	.1	1.2	2.8	4.9	8.6	7.1	2.7	.1				27.3	18.6
NE	.4	.4	1.2	2.2	1.8	1.5	.6					5.1	15.8
ENE		.1	.3									.4	7.7
E	.1	.1										.3	2.5
ESE					.1							.1	18.7
SE	.3	.1	.4	.4		.1	.4					1.9	14.8
SSE	.3	.4	1.3	1.6	1.6	.4	.7	.1				2.7	16.2
S	.3	.7	1.5	1.6	1.9	.4	.3	.1				7.1	14.2
SSW		.9	1.0	.1	1.2	.3						3.6	12.3
SW	.1	.1		.6	.1							1.2	10.9
WSW	.1	.1	.1	.4	.3							1.2	11.5
W	.1	.3										.4	4.2
WNW													
NW				.1								.1	15.7
NNW		.4	.1	.6	.4			.1				1.8	14.4
VARBL												5.6	
CALM													
	2.1	5.2	11.3	17.9	26.8	22.2	7.6	.6				100.2	16.6

TOTAL NUMBER OF OBSERVATIONS

675

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

73-1170
STATION

TIN CITY AFS AM
STATION NAME

73-76,78-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1300-2000
HOURS (LST)

CONDITION

SPEED KNOTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.1	5.1	9.9	13.6	1.8					32.5	20.2
NNE		.2	2.4	7.2	9.7	6.1	3.1					28.7	19.2
NF	.2	.6	2.9	2.2	1.8	1.8	.2					9.7	14.5
ENE	.2	.2		.2	.2							.7	9.3
E													
ESE	.2											.2	3.2
SE	.4	.4	.6	.6	.2	.4	.2					2.6	12.5
SSE	.7	.7	1.1	2.2	.7	1.1	1.1					7.7	15.2
S	.4	.6	1.3	2.0	.9	1.5						6.6	13.8
SSW		.4	.4	.4	.7	.2						2.0	14.9
SW	.2			.2	.9							1.3	15.4
WSW	.4		.4	.4								1.1	6.7
W	.2	.2	.2	.4								.9	8.4
WNW													
NW													
NNW			.4	.6	.6	.2						1.7	15.1
VARBL													
CALM												4.2	
	2.9	3.9	10.7	21.3	25.7	24.8	6.4					100.0	16.9

TOTAL NUMBER OF OBSERVATIONS

594

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71175 IIN CITY AFS AK STATION NAME 73-81 YEARS 800
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.9	6.3	11.3	12.7	2.9	.6				16.4	26.4
NNE	.1	.7	2.3	6.6	6.7	8.6	2.3					27.5	18.9
NE	.3	.7	1.5	1.9	.6	1.0	.1					6.1	13.4
ENE		.1	.3	.1								.6	7.5
E													
ESE			.1									.1	8.2
SE	.4	.4	.4	.4		.1						1.9	9.3
SSE	.4	.6	.9	1.6	1.2	1.9	.4					6.9	16.1
S	1.0	1.0	1.3	1.8	.6	.4						6.1	12.5
SSW	.3	.3	.4	.9	.6							2.5	11.6
SW	.1		.4	.6	.3							1.2	11.6
WSW	.1			.4								.6	9.5
W	.3	.1	.4	.3	.1							1.3	8.1
WNW	.3				.1							.4	6.3
NW													
NNW		.1	.1	.4	.7	.7	.3					2.5	12.5
VARBL													
CALM												5.6	
	3.5	5.0	10.2	21.3	22.2	25.4	6.1	.6				100.0	16.5

TOTAL NUMBER OF OBSERVATIONS 684

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1171 TIN CITY AFS AK 73-81 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (LST)

	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.9	5.8	10.3	15.0	3.2	.8	.1			32.2	22.6
NNE	.2	1.1	2.4	5.0	6.7	7.8	2.3	.1				25.6	18.6
NE	.3	.6	1.3	2.3	1.3	1.0	.3					7.1	14.4
NNE	.1	.2	.2	.1	.0							.0	7.6
E	.1	.1	.0	.1								.3	7.1
ESE	.1	.2	.1	.1	.0							.4	6.7
SE	.2	.3	.5	.4	.2	.3	.1					2.0	12.3
SSE	.5	.5	.9	1.9	1.3	1.1	.5	.1				6.8	15.7
S	.4	.9	1.0	1.4	1.3	.7	.1	.0				5.9	13.2
SSW	.4	.5	.4	.6	.8	.2						2.9	12.0
SW	.2	.1	.3	.4	.2	.0						1.2	10.8
WSW	.1	.2	.1	.3	.1							.7	9.4
W	.2	.2	.2	.1	.0							.6	6.8
WNW	.1			.0	.0							.1	7.0
NW	.0	.0	.0	.0								.1	8.2
NNW		.1	.3	.5	.7	.3	.1	.1				2.1	17.4
VARBL													
CALM												5.5	
	3.0	5.6	9.7	19.1	23.0	26.5	6.6	1.0	.1			100.0	16.9

TOTAL NUMBER OF OBSERVATIONS 5886

1
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 MAY
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
000-7200
HOURS LAST

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	3.0	7.7	11.3	9.6	2.9	.1				32.8	18.9
NNE	.7	.9	2.2	11.7	10.2	7.2	.9					33.5	17.1
NE	.1	.7	1.1	2.6	1.9	1.2						7.7	14.6
NNE		.4	.2									.6	6.7
E	.2	.2	.2	.1								.2	6.6
ESE		.1	.1									.2	7.1
SE		.2	1.0	.2	.4							1.6	10.7
SSE	.4	1.2	1.0	1.3	.1							4.2	8.8
S	.1	.7	.9	.9	.6	.4						3.7	11.3
SSW	.2	.2	.6	.7	.5							2.3	11.1
SW	.1	.5	.4	.2	.4							1.6	9.8
WSW		.1		.1								.2	12.6
W	.1			.1								.2	8.0
WNW													
NW		.1										.1	4.0
NNW		.1	.1	.6	1.0	.1	.1					2.1	17.1
VARBL													
CALM												5.2	
	2.3	6.6	10.8	26.3	26.2	18.5	3.9	.1				100.7	15.5

TOTAL NUMBER OF OBSERVATIONS 621

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 DAY MONTH
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED KNOTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	2.4	7.8	10.2	11.5	1.9	.1				34.9	19.3
NNE	.5	.4	2.3	11.2	10.3	7.7	1.0					33.2	17.6
NE	.7	1.1	1.3	2.6	1.4	1.3						8.5	10.0
ENE		.5		.1								.6	6.4
E		.2	.2									.5	6.3
ESE		.1	.2									.4	7.7
SE	.1	.7	.6	.6	.5							2.5	10.2
SSE	.5	.4	.6	1.0	.4							2.8	9.8
S	.5	1.0	1.0	.8	.5	.2	.1					4.1	10.3
SSW	.2	.6	.5	.8	.4							2.5	10.0
SW		.2	.5	.2	.5	.1						1.6	12.5
WSW			.1		.1							.2	13.0
W													
WNW													
NW	.1	.1		.1								.4	6.7
NNW		.1	.7	1.1	1.0	.2						3.1	14.2
VARSL													
CALM												4.8	
	3.0	6.0	10.4	26.4	25.2	21.1	3.0	.1				100.0	15.7

TOTAL NUMBER OF OBSERVATIONS

834

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-117
STATION

TIN CITY AFS AK

STATION NAME

73-81

YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-1800
HOURS (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	3.0	7.1	12.9	11.5	2.5					30.3	17.2
NNE	.2	1.2	2.9	9.7	8.5	9.2	.2					31.8	17.4
NE	.2	.3	1.9	1.7	1.2	1.2						7.1	13.2
ENE	.2	.6	.4	.1								1.3	6.5
E	.2		.1									.4	4.0
ESE			.1									.1	10.0
SE	.1	.5	.7	1.2	.5							3.0	11.0
SSE	.1	.7	.7	.7	.6							.9	11.2
S	.6	.7	1.1	.6	1.2	.1						4.6	10.5
SSW	.2	1.1	.4	.4								2.2	6.8
SW	.1	.5	.4	.4	.2							1.6	9.6
WSW		.2	.1	.1	.1	.1						.7	12.2
W	.1											.1	3.0
WNW													
NW			.2	.4								.6	11.5
NNW		.5	.2	1.4	.2	.2	.1					2.6	13.3
VARBL													
CALM												4.8	
	2.5	7.6	12.2	23.7	23.5	22.4	3.2					100.0	15.5

TOTAL NUMBER OF OBSERVATIONS

839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1170 TIN CITY AFS AK STATION NAME 73-81 YEARS MAY MONTH 1900-1100 HOUR LL ST 1
ALL WEATHER CLASS
CONDITION

SPEED KNOTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.3	8.7	10.8	10.5	3.6					33.9	20.2
NNE	.5	1.1	2.4	9.4	8.3	7.8	1.8					31.2	17.9
NE	.1	.7	2.4	1.0	1.6	1.3	.2					7.3	14.7
ENE		.1		.2								.4	10.3
E			.1	.1								.2	12.0
ESE	.1	.1										.2	4.5
SE	.1	.6	.5	1.4	.1							2.6	10.2
SSE	.7	.7	.7	1.0	.6	.1						3.3	10.5
S	.6	.6	1.6	1.6	.4	.1						4.3	10.2
SSW	.5	.7	1.2	.8								3.2	8.1
SW	.4	.5	1.1	.4								2.3	8.1
WSW	.5	.2		.1	.1							1.0	6.4
W		.1										.1	4.0
WNW													
NW			.5	.2	.1	.1	.1					1.1	15.3
NNW	.1	.4	1.0	.8	.4							2.0	10.8
VARBL													
CALM												5.1	
	3.9	6.5	12.7	23.8	22.2	20.0	5.7					100.0	15.6

TOTAL NUMBER OF OBSERVATIONS 836

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 117 STATION TIN CITY AFS AK 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED KNOTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.7	7.8	12.3	12.3	2.8	.2				34.1	19.5
NNE	.4	2.0	2.2	7.7	8.0	9.5	2.0					31.6	10.1
NE	.1	.5	2.2	.8	1.3	1.1	.4					6.4	14.7
ENE	.2	.4	.1		.1							.8	6.3
E	.1	.2										.4	4.0
ESE	.1	.1										.2	4.0
SE		.4	.7	.6	.4							2.2	11.2
SSE	.4	.2	.7	1.4	.8							3.2	11.3
S	.4	.7	1.4	1.8	1.2							5.5	11.4
SSW	.5	1.0	.5	.7	.1							2.3	8.1
SW	.6	.4	1.4	.6								3.2	7.8
WSW	.1	.2										.4	4.7
W	.1	.1										.2	3.5
WNW	.1											.1	2.0
NW		.1		.2		.1	.1					.6	16.8
NNW		.1	1.3	1.2	.6	.2						3.2	13.1
VARBL													
CALM												4.9	
	3.5	7.1	12.2	22.7	22.9	21.2	5.3	.2				100.0	15.7

TOTAL NUMBER OF OBSERVATIONS

634

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1170 TIN CITY AFS AK STATION NAME 73-81 YEARS MAY MONTH
CLASS ALL WEATHER 1500-1700 HOURS
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.5	7.9	13.0	9.2	3.2					35.4	12.5
NNE	.7	1.7	3.0	5.2	10.0	9.9	1.1					31.8	17.9
NE	.5	.4	1.6	1.5	1.4	1.6	.2					7.2	10.0
ENE			.2	.1								.4	9.7
E			.1									.1	9.0
ESE			.1	.1								.2	9.4
SE		.6	.4	.1	.1							1.2	8.7
SSE		.6	.9	1.2	1.1	.1						4.0	12.8
S	.1	1.1	1.1	2.0	1.2							5.6	11.7
SSW	.2	1.4	.9	1.0	.5							4.0	9.1
SW	.4	.9	.5	.2	.1							2.1	7.2
WSW	.2	.7	.1									1.1	4.7
W	.1	.2	.1									.5	4.3
WNW		.1										.1	6.0
NW	.1		.1			.1						.4	11.0
NNW		.4	.5	.7	.7	.1	.1					2.6	14.2
VARBL													
CALM												3.3	
	2.5	8.7	11.2	20.2	28.3	21.1	4.7					100.0	16.0

TOTAL NUMBER OF OBSERVATIONS 600

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1177 TIN CITY AFS AK STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.1	9.3	11.1	8.7	2.1	.3				34.3	10.4
NNE	.1	.9	3.0	7.5	10.4	9.3	1.4					32.6	10.2
NE		.7	1.6	2.8	2.1	1.1	.6					9.0	15.4
ENE			.3	.1								.4	10.0
E			.6	.1								.7	8.9
ESE	.1	.1										.3	3.5
SE	.1	.4	.3	.9								1.7	1.0
SSE	.1	.1	.7	2.1	.6	.1						3.9	13.1
S	.4	1.6	.9	1.6	1.3							5.7	11.8
SSW	.4	.7	.6	1.1	.1							3.0	9.8
SW	.4	.7	.1	1.3								2.6	9.1
WSW		.1	.1									.3	5.5
W													
WNW													
NW			.1									.1	7.6
NNW		.1	.1	.1	.7	.3						1.4	10.9
VARBL													
CALM												4.3	
	2.6	6.3	13.5	27.1	26.4	18.8	4.1	.3				100.0	15.8

TOTAL NUMBER OF OBSERVATIONS

702

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1170 IIN CITY AFS AK STATION NAME 73-5 YEARS MAY MONTH
ALL WEATHER CLASS 1100-2300 HOURS LST
CONDITION

SPEED KNOTS PER HOUR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	2.6	7.6	7.6	9.2	2.1	.3				1.0	18.6
NNE	.7	1.0	3.3	10.1	11.2	9.6	.8					30.6	17.4
NE		.6	2.1	2.5	2.5	1.0						5.5	14.5
ENE	.1	.3	.0		.1							1.4	6.3
E			.1	.4								.0	12.3
ESE	.1			.1								.3	6.5
SE	.4	.3	.4	.6	.4							2.1	9.9
SSE	.3	.4	.4	2.1	.3							3.4	10.6
S	.4	.4	1.1	1.7	.8							4.4	11.4
SSW	.8	.4	1.1	1.4								3.7	8.4
SW		.3	.4	.4	.3							1.4	11.3
WSW		.1	.1									.3	7.5
W													
WNW	.1											.1	2.1
NW	.1											.1	2.0
NNW		.1	.1	.6	.6	.4						1.8	10.0
VARBL												4.7	
CALM													
	3.9	4.3	12.8	27.3	23.7	20.2	2.9	.3				100.0	15.4

TOTAL NUMBER OF OBSERVATIONS

726

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

2 1177 TIN CITY AFS AK 77-81
STATION NAME YEARS
ALL WEATHER
CLASS
MAY
MONTH
ALL
HOURS - LST
CONDITION

WIND DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	2.2	7.7	10.7	10.2	2.7	.1				74.5	19.2
NNE	.5	1.1	2.6	9.1	9.5	8.7	1.2					12.3	17.7
NE	.2	.7	1.8	1.9	1.7	1.2	.2					7.7	14.4
ENE	.1	.3	.3	.1	.7							.7	7.5
E	.1	.1	.2	.1								.5	7.6
ESE	.1	.1	.1	.7								.3	9.4
SE	.1	.5	.6	.7	.3							4.2	10.2
SSE	.3	.6	.7	1.3	.6	.7						3.5	11.1
S	.4	.9	1.1	1.3	.9	.1	.2					4.3	10.9
SSW	.4	.8	.7	.9	.2							2.9	9.8
SW	.3	.5	.6	.5	.2	.2						2.9	9.1
WSW	.1	.2	.1	.5	.7	.2						.9	7.4
W	.1	.1	.7	.0								.6	4.7
WNW	.5	.2										.2	3.3
NW	.2	.2	.1	.1	.3	.7	.2					.4	12.4
NNW	.0	.2	.5	.8	.6	.2	.7					2.5	14.0
VARBL													
CALM												4.6	
	1.7	6.6	11.6	24.6	24.8	20.5	4.1	.1				100	15.6

TOTAL NUMBER OF OBSERVATIONS

6193

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-17-73 TIN CITY AFS AK 73-81 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0000-2200
HOURS (LST)
CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.8	8.0	5.5	1.6						18.3	15.2
NNE	1.2	2.4	4.4	7.3	5.5	2.8						23.5	13.0
NE	.1	.4	1.6	1.2	.3	.1						3.7	10.8
ENE	.3	.3	.1									.7	5.0
E	.1		.3									.4	6.3
ESE													
SE	.3	.4	.3	.1								1.1	9.9
SSE	.5	1.5	1.8	1.7	1.3	.3						7.1	11.1
S	.8	4.0	4.9	4.1	2.5	.7						16.7	10.8
SSW	1.3	2.4	2.2	2.6	.3	.1						9.0	8.5
SW	.4	1.5	2.4	.9	.1							5.3	8.1
WSW	.3	1.6	1.5	.4								3.7	7.2
W	.4	.3	.7	.1								1.5	6.6
WNW													
NW			.1									.1	7.0
NNW		.1	.1	.3	.1							.7	12.6
VARBL													
CALM												0.2	
	5.9	15.7	22.2	26.8	15.7	5.5						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1177 TIN CITY AFS AK 77-81 JULY
STATION NAME STATION NUMBER YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-2500
HOURS (LST)

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.5	6.5	5.7	2.2	.1	.1				16.9	16.4
NNE	.8	2.9	5.0	7.2	5.1	2.0						23.2	13.2
NE	.3	1.4	1.1	1.3	.5	.1						4.7	9.9
ENE	.3		.4									.6	5.8
E	.3		.1									.4	4.0
ESE	.1	.1										.3	3.5
SE	.3	.3	.4	.5	.3							1.7	9.8
SSE	.9	.9	2.7	1.5	.9							6.9	10.0
S	1.9	4.3	6.5	4.3	2.6	.4						20.1	9.8
SSW	.9	1.4	2.7	2.3	.6	.4						8.3	10.2
SW	.5	1.3	.8	1.7	.3	.1						4.6	9.4
WSW	.4	1.3	.6	1.1								3.2	8.1
W	.1	.1	.5									.8	7.0
WNW													
NW													
NNW		.1	.3	.1								.5	9.2
VARBL													
CALM												8.2	
	6.6	14.4	22.6	26.6	16.0	5.2	.1	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 783

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71170 TIN CITY AFS AK 73-81 JUL
STATION NAME YEARS MONTH
CLASS ALL WEATHER 1600-2400
HOURS - LST
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	1.9	4.8	6.5	2.7	.3					16.2	16.3
NNE	.5	2.9	3.2	7.1	3.7	2.3						19.7	13.3
NE	1.0	1.1	1.0	1.3	.5	.8						5.7	10.4
ENE		.3	.1	.3								.6	8.2
E	.1											.1	3.0
ESE			.3									.3	7.5
SE	.1	.4	.4	.3	.1							1.3	8.9
SSE	.4	1.6	2.0	2.3	1.1	.5	.1					8.1	11.5
S	1.5	3.7	5.1	5.5	2.0	1.0	.1					18.9	10.7
SSW	1.3	1.6	4.6	1.8	.6	.1						10.0	8.7
SW	.6	.5	1.5	2.0	.6							5.3	10.8
WSW	.3	.9	.6	.5	.1	.1	.1					2.7	10.3
W	.6	.5	.1	.1								1.4	4.8
WNW			.1									.1	10.0
NW		.1										.1	4.0
NNW			.3	.8								1.0	12.6
VARBL													
CALM												3.4	
	6.7	14.7	21.2	26.6	15.4	6.9	.6					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 789

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-173 TIN CITY AFS AK 73-81 JUN
STATION NAME STATION NUMBER YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-1100
HOURS (LST)

SPEED (KNTS) Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.7	1.6	6.8	5.7	2.5						17.9	15.7
NNE	.4	1.6	5.1	5.2	3.5	2.7	.4					18.2	13.6
NE	.1	.3	.4	.9	.6	.4						3.2	12.8
ENE		.1	.3									.4	6.0
E		.1		.1								.3	10.0
ESE	.1		.1									.3	6.5
SE	.4	.2	.4	.1	.4							2.0	8.1
SSE		.3	3.9	3.0	.8	.6						9.1	11.9
S	1.4	2.7	5.2	7.1	2.1	.9						19.3	11.2
SSW	.5	1.6	4.3	3.3		.1						7.8	9.4
SW	.8	2.3	1.8	1.8	.3							6.8	8.1
WSW	.6	1.6	.9	.9	.1	.1						4.3	7.8
W		.8	.9	.1								1.8	7.0
WNW	.1											.1	2.0
NW				.3	.1	.1						.5	16.8
NNW			.5	.9	.1							1.5	12.1
VARBL													
CALM												4.5	
	4.7	14.1	25.3	57.4	13.8	6.8	.4					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 792

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 1200-1400
CONDITION HOURS (LST)

SPEED (KNOTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	2.2	6.6	6.9	2.6						19.9	15.7
NNE	.3	1.5	3.2	4.9	2.2	2.8	.3					15.1	14.9
NE		.6	.3	.9	.6	.3						2.7	12.9
ENE		.1	.1	.1								.4	9.3
E					.1							.1	18.5
ESE			.1									.1	7.0
SE	.1		.3	.6								1.0	10.5
SSE	.3	1.8	2.3	3.1	.6	.5						8.6	10.9
S	.4	1.9	3.8	8.1	2.2	.8						17.1	12.2
SSW	1.5	2.2	4.1	3.5	.4	.3						11.9	9.0
SW	.9	2.9	2.6	2.8	.4							9.6	8.5
WSW	1.2	.9	2.2	.9		.1						5.2	7.7
W	.4	1.0	.9	.1								2.4	6.2
WNW				.1	.1	.1						.4	19.3
NW			.1	.3								.4	12.0
NNW			.9	.4	.1							1.4	10.3
VARBL													
CALM												3.6	
	5.2	14.5	23.0	32.4	13.7	7.4	.3					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 782

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 STATION TIN CITY AFS AK 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	1.9	7.1	7.1	2.7						12.2	12.4
NNE		1.3	3.6	5.7	3.9	3.6	.2					18.3	15.6
NE		.5	1.1	.6	.2	.2						2.9	1.4
ENE													
E				.2								.2	12.0
ESE	.2											.2	2.6
SE	.2	.2	.8	.5								1.6	8.6
SSE	.2	.9	2.2	2.7	.9	.5	.2					7.6	12.7
S	.8	3.1	4.3	8.5	1.4	.9						19.1	11.2
SSW	1.7	1.6	3.3	3.7	.6							10.2	9.1
SW	1.7	1.6	2.2	2.2	.6							8.3	8.5
WSW	.8	2.2	1.4	.8	.3							5.5	7.4
W	.2	.5	1.3	.8	.2							2.8	9.1
WNW		.2			.3							.5	14.0
NW			.2									.2	10.0
NNW		.2	.3	.5								.9	11.2
VARBL													
CALM												3.0	
	5.8	12.4	22.5	32.4	15.6	7.9	.3					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 635

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 STATION 71N CITY AFS AK 73-81 YEARS MONTH JUN
STATION NAME CLASS ALL WEATHER HOURS (LST) 1300-2400
CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.8	5.5	8.2	2.5						17.2	17.3
NNE	.4	.8	4.5	8.0	4.3	3.3						21.3	14.5
NE	.2	1.0	1.2	.6	.4	.6						3.9	11.2
ENE		.2	.4									.6	8.0
E	.2											.2	2.0
ESE													
SE	.4	.2	.6	.2		.2	.2					1.8	10.6
SSE	.4	1.2	2.7	3.1	.4	1.7	.4					9.2	12.7
S	1.4	2.3	5.9	5.9	1.8	1.2	.2					18.2	11.6
SSW	.8	2.9	1.8	2.7	1.4							9.6	10.0
SW	2.0	1.6	1.4	1.8								6.7	6.7
WSW	.4	.2	1.2	.6								2.3	7.8
W	1.0	.8	.4	.4								2.5	5.5
WNW		.2										.2	6.0
NW					.2							.2	18.0
NNW			.2		.2							.4	14.0
VARBL													
CALM												5.9	
	7.0	11.2	20.9	28.8	16.6	8.8	.8					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

511

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 170 STATION TIN CITY AFS AK STATION NAME 74-81 YEARS JUN MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.0	6.6	6.4	1.2						17.2	15.2
NNE	.5	1.6	4.1	7.0	6.6	2.8						22.6	14.5
NE	.3	1.1	1.1	1.1	.2	.2						4.1	9.2
ENE	.3	.3	.2	.2								1.0	5.7
E	.3											.3	2.0
ESE	.2	.2										.3	3.5
SE			.3	.3								.7	11.5
SSE	.5	.5	1.8	2.0	.4	.3	.2					6.1	12.5
S	1.1	2.3	6.1	5.7	2.1	.8						16.2	11.1
SSW	1.0	2.1	1.0	3.0	.3	.2						7.5	8.9
SW	1.6	2.6	2.3	1.3								7.9	6.7
WSW	.5	.5	.8	.3	.2							2.3	7.6
W	.3	.7	.7									1.6	6.2
WNW	.2											.2	2.0
NW													
NNW	.2	.3	.2	.5								1.1	9.1
VARBL													
CALM												8.9	
	7.2	13.4	20.5	28.0	16.6	5.2	.2					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AD-WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1177 STATION TIN CITY AFS AK 73-81 YEARS JUN MONTH ALL HOURS 12-17
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8	1.7	5.5	6.4	2.1	.1	.2				17.9	15.9
NNE	.5	2.3	4.1	6.5	4.3	2.7	.1					20.1	14.2
NE	.3	.9	1.0	1.0	.4	.3						3.8	10.8
ENE	.1	.2	.2	.1								.5	7.2
E	.1	.2	.1	.2	.0							.2	6.4
ESE	.1	.3	.1									.2	5.1
SE	.2	.3	.4	.3	.1	.0	.0					1.4	9.1
SSE	.4	1.2	2.5	2.4	.9	.4	.1					7.8	11.6
S	1.2	3.1	5.2	6.1	2.1	.8	.0					18.5	11.2
SSW	1.1	1.9	3.1	2.8	.5	.2						9.6	9.2
SW	1.0	1.8	1.9	1.8	.3	.2						6.8	8.4
WSW	.5	1.1	1.1	.7	.1	.1	.0					3.7	7.9
W	.4	.6	.7	.2	.0							1.8	6.7
WNW	.0	.0	.0	.0	.1	.7						.2	12.2
NW		.2	.1	.1	.0	.0						.2	12.9
NNW	.0	.1	.4	.4	.1							1.0	11.2
VARBL													
CALM												0.3	
	6.1	13.9	22.4	29.0	15.3	6.6	.3	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 5659

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-170 STATION TIN CITY AFS AK 73-81 YEARS JUL MONTH
STATION NAME CLASS 0000-2200 HOURS (LST)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	2.9	4.8	4.0	1.7						14.3	14.8
NNE	.6	2.6	5.1	9.7	2.9	.6	.1					21.7	12.0
NE	.1	.6	1.4	.4								2.6	8.6
ENE		.1										.1	6.0
E	.1		.1									.3	5.0
ESE		.1	.1									.3	6.5
SE		.5	.4	.3	.5	.1	.4					2.2	15.2
SSE	.3	.6	.9	1.5	1.9	.8						6.2	14.3
S	1.1	2.8	4.5	5.6	2.7	1.4	.4					18.5	12.2
SSW	.8	1.8	2.2	4.2	1.9	.4						11.2	11.8
SW	.3	1.5	1.1	2.9	1.3							7.1	11.3
WSW	.3	.8	.9	.3	1.1							3.3	11.2
W		.1	.1									.3	6.0
WNW		.3	.1		.1							.5	9.5
NW	.1			.1		.1						.4	12.0
NNW	.1	.3		.1		.1						.6	10.4
VARBL													
CALM												10.7	
	4.2	12.6	19.9	30.0	16.5	5.2	.9					170.1	11.1

TOTAL NUMBER OF OBSERVATIONS 784

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	2.0	5.0	4.1	1.5	.1					13.6	15.1
NNE	.5	2.6	5.8	8.6	2.2	.9						20.6	11.7
NE	.4	1.1	1.1	.5								3.1	7.5
ENE	.1		.1									.2	5.0
E	.1	.1	.1									.4	5.3
ESE		.1	.1									.2	6.0
SE			.6	.4	.7		.1	.2				2.1	17.2
SSE	.2	.7	1.2	1.1	.7	.6	.2					5.0	13.3
S	.9	2.9	4.6	6.0	2.9	1.7						18.9	12.2
SSW	.9	3.1	2.4	4.0	2.5	.2						13.1	11.3
SW	.4	1.0	1.5	2.2	1.2							6.3	11.5
WSW	.7	.2	.4	.2	.9							3.1	9.6
W	.2	.1	.4									.7	5.7
WNW		.1										.1	6.0
NW			.1	.4								.2	12.5
NNW			.1	.2	.5							.9	15.9
VARBL												11.1	
CALM													
	4.7	13.4	20.6	28.6	15.8	5.0	.5	.2				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 804

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1177 TIN CITY AFS AK 73-81 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
600-1800
HOURS LST

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.9	6.3	3.8	1.4	.2					14.1	15.4
NNE	1.2	1.2	5.8	7.2	2.5	.9	.1					19.3	12.3
NE	.1	1.0	.9	.9	.6	.1						3.6	10.8
ENE	.1		.1									.2	5.5
E	.1	.4	.1									.6	5.2
ESE		.1										.1	5.7
SE	.1	.7	.4	.7	.1	.2		.1	.1			2.6	13.6
SSE	.4	.5	1.1	2.2	1.4	.5	.1		.1			6.3	14.2
S	1.7	4.3	4.6	6.3	3.3	.9						20.8	11.1
SSW	.9	1.5	3.1	3.2	1.6	.5						10.6	11.2
SW	.5	1.7	1.1	2.6	1.9							7.8	11.5
WSW	.1	1.1	1.0	.5	.2							2.2	6.9
W	.1	.5	1.1									1.7	7.0
WNW				.1								.1	12.0
NW	.1	.1		.1	.2							.6	11.4
NNW		.1		.2								.4	11.7
VARBL													
CALM												8.3	
	5.7	13.3	21.2	30.5	15.7	4.5	.5	.1	.2			120.8	11.1

TOTAL NUMBER OF OBSERVATIONS 627

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1170 TIN CITY AFS AK 73-81 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	2.8	6.8	3.5	1.2	.2					13.5	14.5
NNE	.5	.7	3.8	5.4	1.9	.9	.1					13.5	12.9
NE	.1	.5	.4	1.2		.4						2.6	12.6
ENE			.1	.2								.4	12.7
E			.1									.1	6.6
ESE				.2								.2	13.5
SE		.5	.5	.4	.7							2.1	12.1
SSE	.2	.7	1.1	2.9	.9	1.4	.2		.1			7.5	14.9
S	.9	3.2	3.8	7.4	4.0	.7	.1					20.2	12.1
SSW	1.4	2.7	4.2	2.8	2.7	.1						14.3	10.3
SW	1.1	4.0	2.0	1.6	1.6							10.3	8.9
WSW	.6	1.0	.6	1.0	.1							3.3	7.8
W	.2	1.0	.5	.4								2.1	7.1
WNW			.2	.2								.5	10.5
NW	.1		.2	.1								.5	7.6
NNW			.2	.5	.4	.1	.1	.1				1.5	10.1
VARBL													
CALM												5.7	
	5.4	15.1	20.8	31.3	15.7	4.8	.2	.1	.1			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 808

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS,

SURFACE WINDS

7-172 STATION TIN CITY AFS AK 72-81 YEARS JUL 1972-1972
ALL WEATHER CLASS
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.0	2.8	7.5	3.8	.9	.4					10.3	14.3
NNE		.4	3.7	6.6	1.6	1.3						13.2	13.2
NE		.1	.8	1.3		.1						2.3	11.7
ENE				.5								.5	12.2
E			.1	.1								.3	9.3
ESE		.1	.1	.1								.4	9.2
SE	.1	.1	.4	.6	.3	.1	.1					1.8	13.2
SSE	.1	.8	1.9	1.4	.2	.9	.5					6.3	14.4
S	.6	2.5	6.1	5.9	4.8	1.3	.3					21.3	12.7
SSW	1.0	3.4	3.9	4.2	1.9							14.4	9.9
SW	.9	2.2	2.5	3.2	.9							9.6	7.9
WSW	.5	1.8	1.5	.9	.5	.1						3.3	2.2
W	.3	.5	1.9	.4								3.1	7.8
WNW				.1								.1	12.2
NW		.1		.3								.4	11.3
NNW			.4	.1	.3	.1	.3					1.1	17.7
VARBL													
CALM												2.4	
	3.3	13.0	26.1	33.2	14.8	4.8	1.5					79.3	11.2

TOTAL NUMBER OF OBSERVATIONS

79

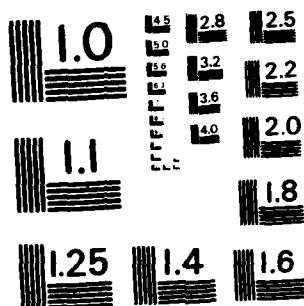
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MICROCOPY RESOLUTION TEST CHART
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 STATION TTN CITY AFS AK STATION NAME 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	3.1	5.5	4.6	.3	.2					14.2	14.5
NNE	.3	1.2	3.6	7.8	3.6	1.0						17.5	13.4
NE	.3	.2	.2	.5	.3							1.5	1.3
ENE													
E	.2	.2	.2									.2	0.2
ESE						.2						.2	24.0
SE	.3	.3	.2	.5	.3	.3		.2				2.1	14.4
SSE		.3	.5	1.3	1.2							3.3	12.6
S	1.3	3.3	6.3	7.4	3.8	2.7						24.1	12.2
SSW	1.0	1.5	3.6	5.3	1.3	.3						15.1	11.2
SW	.2	.6	2.8	4.8	1.3							9.9	11.8
WSW	1.3	1.9	1.7	1.2	.2							5.8	7.7
W	.3	1.8	.8	.3	.2							3.5	7.0
WNW			.2									.2	10.0
NW													
NNW				.7			.3					1.0	17.8
VARBL													
CALM												2.6	
	5.1	12.2	23.1	35.2	16.9	4.1	.5	.2				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

625

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-171 TIN CITY AFS AK STATION NAME 73-81 YEARS JUL
CLASS ALL WEATHER MONTH 1800-2000
CONDITION HOURLY (L.S.T.)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	1.5	4.2	1.9	.4						3.0	14.0
NNE	.4	.4	3.1	9.2	3.3	1.0						17.5	14.1
NE	.2	1.3	1.3	1.5								4.2	8.7
ENE	.2	.2										.4	3.5
E													
ESE	.2											.2	3.0
SE		.2	.2									.4	7.4
SSE	.2	.4	1.9	1.7	1.9	.4						5.5	13.5
S	1.3	2.3	5.2	5.0	4.2	1.7	.2					19.6	12.9
SSW	.6	1.3	5.2	8.1	1.5	.2						16.9	11.7
SW	1.0	.8	2.7	4.8	2.1							11.5	11.2
WSW	.6	1.3	.6	1.3	.6	.2						4.6	10.4
W		1.5	1.0	.6								3.1	7.7
WNW	.2		.2									.4	6.0
NW				.2								.2	12.0
NNW		.2										.2	5.0
VARBL													
CALM												5.4	
	5.0	17.6	23.0	36.5	15.2	4.0	.2					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

479

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 STATION TIN CITY AFS AK 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNOTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	1.9	5.3	3.4	.8	.3					13.1	14.7
NNE	.3	3.2	4.7	9.4	3.9	1.1						22.6	12.5
NE		1.3	1.1									2.4	6.8
ENE			.2	.2								.3	11.5
E	.2	.2										.3	3.0
ESE		.2										.2	4.0
SE	.2	.2	.5	.2	1.1	.2	.2					2.4	15.5
SSE	.2	.8	.8	1.6	2.6	.6	.2					6.8	14.7
S	1.1	2.9	4.0	4.8	2.9	1.1	.3	.3				17.6	12.4
SSW	1.0	1.8	3.7	4.5	2.9	.3						14.2	11.6
SW	.2	.3	1.5	3.9	.8							6.6	12.1
WSW	.5	.3	.8	.5	.8	.3						3.2	12.3
W	.2	.5	.2									.8	5.2
WNW		.2										.2	4.0
NW													
NNW			.3				.2					.5	14.2
VARBL													
CALM												6.7	
	3.9	12.9	19.7	30.4	18.4	4.5	1.1	.3				120.0	11.5

TOTAL NUMBER OF OBSERVATIONS 619

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 117. IIN CITY AFS AK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUL
MONTH
ALL
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	2.4	5.8	3.7	1.1	.2					14.1	14.7
NNE	.5	1.6	4.6	7.9	2.7	.9	.1					18.2	12.6
NE	.2	.7	.9	.8	.1	.1						2.6	9.6
ENE	.1	.2	.1	.1								.3	6.8
E	.1	.1	.1	.0								.3	5.7
ESE	.0	.1	.1	.1		.0						.2	9.2
SE	.1	.3	.4	.4	.5	.1	.1	.1	.0			2.2	14.4
SSE	.2	.7	1.2	1.7	1.4	.7	.2	.0	.0			6.1	14.1
S	1.1	3.3	4.8	6.1	3.5	1.3	.2	.0				22.1	12.2
SSW	.9	2.2	3.4	4.3	2.1	.3						13.3	11.1
SW	.6	1.7	1.8	3.1	1.4							8.5	14.8
WSW	.5	1.1	.9	.7	.6	.1						3.9	9.4
W	.2	.7	.8	.2	.0							1.8	7.1
WNW	.0	.1	.1	.1	.0							.3	9.3
NW	.1	.3	.1	.2	.0	.0						.4	11.0
NNW	.0	.1	.1	.2	.2	.1	.1	.0				.3	15.8
VARBL													
CALM												7.1	
	4.7	13.1	21.3	31.6	16.1	4.7	.8	.1	.1			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 5696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7-1170 TIN CITY AFS AK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
0000-2200
MOON (LST)

SPEED (KNOTS) D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	4.9	5.4	3.8	1.1						17.8	12.7
NNE	.6	2.6	6.0	7.0	4.3	1.5	.2					22.3	12.8
NE	.5	2.3	1.8	1.1	1.0	.4						7.2	9.8
ENE	.1	.2	.1									.5	9.2
E				.1								.1	16.0
ESE	.1	.2		.4	.4							1.1	12.6
SE	.5	.4	.1	1.4	1.7	.1						4.2	14.2
SSE	.1	.4	1.7	2.7	1.8	.1		.1				7.0	13.6
S	.4	1.4	3.6	5.1	1.8	.6	.1	.1				13.1	12.6
SSW	.5	2.1	2.1	3.7	.9	.5						9.7	11.3
SW	.2	1.1	1.2	1.2	.9	.1						4.8	11.1
WSW		.1	1.1	.7								2.2	10.1
W		.1	.1	.1	.1							.5	11.2
WNW		.1										.1	9.2
NW			.1	.5	.7							1.4	16.2
NNW	.1		.4	1.2	.4	.1						2.2	13.5
VARBL													
CALM												6.3	
	4.2	12.6	23.4	30.7	17.9	4.6	.9	.2				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 811

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-61 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-2500
HOURS (LST)

SPEED (KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	3.2	5.4	3.8	1.6						16.8	13.3
NNE	.6	2.3	5.9	3.2	3.7	2.1						22.8	12.8
NE	.9	2.5	2.5	1.3	.4	.1	.1					7.7	8.4
ENE	.4	.1	.1	.1								.7	5.7
E	.4	.2	.1									.7	3.5
ESE			.5		.4	.4						1.2	10.3
SE		.2	.5	1.8	1.6							4.2	14.7
SSE	.1	.1	1.6	1.7	1.2	.2	.2	.1				5.4	14.8
S	.7	2.1	4.0	5.3	2.7	.6	.1	.1				15.0	11.8
SSW	.4	1.2	2.8	1.8	1.2	.6						8.1	11.6
SW	.2	1.1	1.7	1.1	.7							5.2	10.2
WSW		.4	.9	.5	.4							2.1	10.6
W		.5	.5		.4							1.5	9.7
WNW													
NW	.1				.4							.5	14.8
NNW	.1	.1	.1	1.3	.5	.4						2.9	15.2
VARBL													
CALM												5.3	
	4.7	13.1	24.4	28.7	16.7	6.0	.5	.2				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

116

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 1170 STATION NAME TIN CITY AFS AK YEARS 73-81 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 0600-2000
CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.1	6.4	3.2	1.6	.2					15.4	14.2
NNE	.6	2.4	4.2	7.1	3.9	1.2	.1					19.6	12.9
NE	.6	1.3	3.3	1.7	.2	.6						7.8	9.8
ENE		.5	.6									1.1	6.9
E	.1	.5	.4	.2								1.2	6.9
ESE	.2	.2	.4		1.3		.1					2.3	14.5
SE	.5	.5	1.0	1.1	.9	.1						4.1	11.6
SSE	.6	.4	.5	1.7	1.1	.2	.2					4.8	13.6
S	1.1	2.7	4.0	5.4	2.4	1.2	.2					17.1	12.1
SSW	.7	1.8	2.7	2.0	.5	.7						8.4	10.1
SW	.4	1.1	1.5	1.3	.5							4.8	9.5
WSW	.5	.2	.7	.2	.4							2.1	8.5
W	.2	.1	.5	.2	.2							1.3	10.2
WNW	.1		.2									.4	6.3
NW		.5	.1			.1						.7	9.0
NNW		.1	.6	.6	.7	.4						2.4	15.2
VARBL													
CALM												6.4	
	6.4	13.8	22.8	28.0	15.4	6.2	1.0					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 3175 STATION TIN CITY AFS AK 73-81 YEARS MONTH ALL WEATHER CLASS 1990-1990 HOURS (LST) CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.6	6.8	3.4	1.7	.2					14.8	15.5
NNE		1.4	3.7	7.0	4.6	1.6	.2					18.5	14.5
NE	.4	1.5	2.3	1.7	.4	.1						5.9	9.8
ENE		.3		.1								.4	7.3
E	.2	.5	.2	.2								1.2	6.7
ESE		.1		.1	.4	.2						.9	17.7
SE	.1	.5	.5	1.7	1.2	.1						4.2	13.6
SSE	.5	2.0	1.2	1.8	.7	.5	.1					6.9	11.2
S	1.4	2.6	4.2	5.5	2.8	1.2	.5					18.2	12.3
SSW	1.1	2.0	3.1	3.2	1.7	.4						11.5	15.9
SW	.9	1.5	2.1	1.1	.2							5.8	6.1
WSW	.7	.7	1.1	.7	.1							3.4	8.1
W	.2	.2	.4	.2								1.1	7.6
WNW			.1									.1	10.0
NW		.4										.4	5.3
NNW	.1	.1	.6	1.4	.5	.2	.1					3.1	14.2
VARBL													
CALM												3.7	
	5.8	14.7	21.2	31.8	16.1	6.2	1.2					110.0	11.9

TOTAL NUMBER OF OBSERVATIONS 812

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 7-170 TIN CITY AFS AK STATION NAME 73-81 YEARS ALL WEATHER CLASS 1200-1400 MONTH NOV 1951

CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	2.3	6.0	4.5	1.8	.3					15.4	15.9
NNE	.4	.5	3.4	7.0	4.6	1.3	.5					17.7	14.9
NE	.1	.4	2.5	.8	.4							4.1	9.9
ENE			.3	.1		.3						.5	15.0
E		.3	.3	.3		.3						1.0	13.5
ESE		.1	.4	.3	.5	.5						1.8	19.6
SE		.1	.4	1.3		.4						2.1	14.1
SSE	.4	.5	2.1	2.9	1.8							7.7	12.3
S	.9	3.7	4.8	3.9	3.9	1.3	.3					17.9	12.3
SSW	.3	1.9	2.9	4.5	3.1	.4						13.0	12.8
SW	1.9	.9	2.1	.9	.6	.1						6.5	6.3
WSW	1.4	.5	1.4	.4	.3							3.9	7.2
W	.4	1.7	.8	.4								2.5	6.9
WNW		.1										.1	6.4
NW	.1		.1	.3								.5	10.5
NNW		.5	.3	1.0	.8	.3						2.8	13.5
VARBL													
CALM												2.3	
	5.8	12.4	23.8	29.9	20.5	6.4	1.0					110.0	12.6

TOTAL NUMBER OF OBSERVATIONS 797

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1170 STATION TTN CITY AFS AM STATION NAME 73-81 YEARS AUG MONTH
ALL WEATHER CLASS 1577-1700 HOURS (LST)
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.8	6.4	6.7	1.6						14.0	15.7
NNE	.6	1.2	4.2	7.6	4.7	2.3	.6					23.3	14.7
NE	.2	.5	2.3	1.1	.5							4.5	14.2
ENE				.5								.5	13.7
E	.2	.3	.3	.3		.7						1.2	13.2
ESE		.2		.5								.6	12.6
SE		.5	.2	.6	.2	.3						1.7	13.4
SSE	.2	.6	.8	1.4	1.1							4.1	12.3
S	.8	2.5	2.5	7.4	3.9	1.1						18.1	13.1
SSW	.3	1.7	2.8	3.9	3.4	.6	.2					12.9	13.3
SW	.6	1.2	1.7	1.4	.6							5.6	10.2
WSW	.5	.8	.9	.3								2.5	7.3
W		.6	.6	.3	.3							1.7	9.4
WNW			.3	.3								.6	9.8
NW													
NNW	.2	.2	.3	.9								1.6	11.7
VARBL													
CALM												3.1	
	3.4	17.9	19.7	34.9	21.2	6.0	.8					170.0	12.9

TOTAL NUMBER OF OBSERVATIONS 645

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 AUG
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
1800-2000
HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 31	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.8	7.3	6.4	.9						16.5	15.8
NNE	.4	2.3	4.6	10.5	5.2	2.1	.5					25.6	14.1
NE		1.1	1.6	3.2	.5	.2						6.6	11.5
ENE	.2	.2	.2	.5	.2							1.2	10.4
E			.5									.5	9.0
ESE				.2								.2	13.0
SE	.2	.2	.7	.2								1.2	7.9
SSE	.2	.5	1.4	1.2	1.6							5.0	12.8
S	.5	1.6	3.4	8.7	2.0	2.0	.2					19.2	13.5
SSW	.4	.7	3.0	3.7	2.1	.4	.2					10.5	12.9
SW	.5	.4	1.2	1.4	.5							4.1	10.4
WSW		.5	.7	.5		.2						2.0	10.9
W		.2	.2	.2	.2							.7	10.5
WNW	.2		.2									.4	5.0
NW		.2	.2									.4	7.0
NNW				.7	.4							1.1	15.0
VARBL													
CALM												5.0	
	2.5	8.7	19.7	38.4	19.9	5.7	.9					100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 563

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 117. TIN CITY AFS AK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
100-2000
HOURS U.S.T.

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	4.6	8.9	4.9	1.7						24.7	13.6
NNE	.5	2.0	6.8	6.6	5.2	2.0	.4					23.7	13.3
NE	.4	1.0	2.5	1.7	.6	.3	.1					6.6	12.4
ENE	.1	.3	.3	.3	.1							1.2	9.9
E	.3	.1			.1							.5	7.8
ESE				.3	.4							.7	17.1
SE	.1	.5	.1	.6	.4	.1						2.0	11.6
SSE		.3	.9	1.4	1.2	.3						4.2	12.4
S	.6	1.9	4.0	7.4	2.6	1.7	.4	.3				18.2	13.4
SSW	.3	.9	2.3	2.9	1.3	.3						7.9	11.9
SW	.3	.4	1.3	1.2	1.2							4.2	11.1
WSW	.1	.4	.9	.4	.3							2.2	9.7
W		.1	.6	.1								.9	9.3
WNW													
NW			.4		.1							.6	12.5
NNW			.3	1.2	.1							1.9	13.5
VARBL													
CALM												4.8	
	2.9	9.5	25.0	33.0	18.5	5.1	1.7	.3				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 693

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1170 TTN CITY AFS AK 73-81 ALL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.1	2.9	6.5	4.5	1.4	.1					16.7	14.5
NNE	.5	1.8	4.8	7.8	4.5	1.7	.3					21.4	13.7
NE	.4	1.3	2.4	1.5	.5	.2	.0					6.3	9.8
ENE	.1	.2	.2	.2	.0	.0						.8	9.0
E	.2	.3	.2	.2	.0	.1						.8	6.4
ESE	.1	.1	.2	.2	.5	.2	.0					1.2	15.0
SE	.2	.4	.4	1.1	.8	.2						3.1	13.2
SSE	.3	.6	1.3	1.9	1.3	.2	.1	.0				5.7	13.0
S	.8	2.2	3.9	5.9	2.8	1.1	.2	.1				17.2	12.6
SSW	.5	1.6	2.7	3.2	1.7	.5	.0					10.2	11.9
SW	.6	1.7	1.6	1.2	.7	.0						5.1	9.7
WSW	.4	.5	1.0	.5	.2	.2						2.5	6.7
W	.1	.4	.5	.2	.2							1.3	6.8
WNW	.0	.1	.1	.0								.2	7.4
NW	.0	.1	.1	.1	.2	.2						.2	12.1
NNW	.1	.1	.3	1.1	.4	.2	.0					2.2	14.1
VARBL													
CALM												4.7	
	4.6	11.8	22.6	31.5	18.1	5.8	.8	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 5954

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1175 IIN CITY AFS AK 73-81 SEP
STATION MONTH
ALL WEATHER CLASS 000-2200
CONDIT ON HOURS LST

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	4.5	7.3	6.3	1.7	.9					22.2	14.7
NNE	1.2	4.0	9.6	6.0	3.5	1.0	.8	.1				77.1	11.4
NE	.8	1.3	3.5	2.8	1.3	1.7	.3					11.6	12.7
ENE	.4	.5	.1	.1								1.2	5.8
E	.5	.4	.4	.1								1.4	2.5
ESE		.8	.3		.1							1.2	7.4
SE	.4	.4	.5	.4								1.7	7.2
SSE	.3	1.0	.9	.8	.6	.9	.6	.6				5.0	17.7
S	.5	1.2	.8	1.8	.4	.4	.5	.1				9.6	13.3
SSW	.1	.6	.4	.9	.5	.3	.3					3.1	13.3
SW	.3	.4	1.3	.6	.6	.5	.3					4.2	14.0
WSW	.1	.6	.5	.8								2.1	8.8
W	.3	.8	.4	.3	.1							1.8	7.1
WNW	.1	.3		.3		.1						.6	1.0
NW		.1	.4	.1	.3	.1						1.0	13.6
NNW	.5	.4	.6	.5	1.2	.3	.1	.1				3.7	13.6
VARBL													
CALM												5.9	
	6.0	14.5	24.1	22.8	14.9	6.9	3.7	1.0				100	12.0

TOTAL NUMBER OF OBSERVATIONS 772

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-170 STATION TIN CITY AFS AK STATION NAME 77-81 YEARS SEC NORTH 300-050 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	5.9	7.3	6.3	1.7	.1	.4				22.9	14.5
NNE	.8	4.9	7.3	10.4	2.6	1.4	.8					79.7	12.5
NE	.6	1.2	2.7	3.7	.8	2.0	.4					11.4	13.5
ENE		.2	.6	.3								1.5	7.3
E	.5	.3	.1									.5	4.4
ESE		.3	.3									.5	6.8
SE	.4	.4	.3	.5	.1	.1						1.8	9.6
SSE	.3		1.2	1.3	1.3	.4	.6	.4				5.4	17.7
S	.3	.4	1.3	1.9	.6	.3	1.0	.3				6.3	16.3
SSW	.1	.4	.6	.5	.4		.4					2.4	14.4
SW	.1	1.7	.8	.9	.5	.6	.3					4.4	13.2
WSW	.3	.1	.8	.5	.1							1.8	8.6
W	.3	.9	.4	.1	.3							1.9	7.5
WNW		.4	.3									.5	6.6
NW		.1	.1	.3								.5	9.5
NNW	.8	.1	.1	.4	.6	.3	.6					2.9	15.7
VARBL													
CALM												0.9	
	4.9	11.9	22.7	28.0	13.6	6.3	4.2	1.0				120.7	12.3

TOTAL NUMBER OF OBSERVATIONS 781

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-17 TIK CITY AFS AK STATION NAME 7-81 YEARS SLP MONTH 0600-0000
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.0	1.4	7.3	7.9	6.6	1.7	1.7	.3				22.9
NNE	1.0	2.6	5.2	7.8	2.7	2.3	.4					22.3
NE	.5	1.7	2.8	4.3	.9	2.2						11.9
ENE	.4	.1	.1	.8	.1	.1						1.7
E	.6	.3	.1									1.5
ESE		.1	.5	.1								.8
SE	.1	.1	.4	.6	.3							1.5
SSE	.1	.1	.6	1.0	1.5	.5	.4	.4	.1			4.9
S	.3	.8	1.3	2.8	1.2	.5	.5	.3				7.5
SSW	.4	.7	.9	1.4	.1	.3	.3					4.2
SW		.9	.5	.5	.5	.3	.3					2.9
WSW		.4	.4	.5	.3	.3						1.8
W	.3	.4	.6		.1							1.4
WNW	.1	.1		.1								.4
NW	.1		.1									.3
NNW	.1	.1	1.2	1.3	.3	.1	.4					3.5
VARBL												7.1
CALM												
	4.7	9.8	22.1	29.3	14.6	8.2	3.2	.9	.1			12.5

TOTAL NUMBER OF OBSERVATIONS

782

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1777 TIN CITY AFS AK STATION NAME 73-81 YEARS SEP NORTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)
CONDITION

SPEED KNOTS D.R.	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	3.4	11.7	5.1	2.9	1.2	.1				25.6	15.4
NNE	1.1	2.9	4.3	7.8	3.9	2.7	.6					22.8	13.4
NE	.1	.8	.6	3.7	1.5	1.5	.1					8.4	15.1
ENE	.1	.6	.1	1.0	.3							2.2	10.5
E	.4	.5	.1	.3								1.3	5.4
ESE	.1	.3	.3	.1								1.0	7.1
SE	.5		.6	.3	.6	.1						2.2	11.4
SSE	.1	.5	1.4	1.9	.9	.9	.1	.4	.1			6.4	16.1
S	.1	1.5	1.1	3.2	1.1	.3	.9	.4				8.7	14.7
SSW	.4	.8	1.0	.8		.5						5.4	10.6
SW	.6	.8	.3	.9	.8	.4	.3					5.9	13.2
WSW		.5	.4	.9	.4							2.2	11.2
W	.5	.4	.3	.4	.3							1.6	8.6
WNW	.3	.3										.5	3.0
NW	.1	.1		.5								.8	9.8
NNW		.1	.8	1.3	.6	.5						3.3	15.3
VARBL													
CALM												5.6	
	4.7	11.5	14.8	34.6	15.5	9.2	3.1	.9	.1			100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

785

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71170 TIN CITY AFS AK STATION NAME 73-81 YEARS 1977-1979 SHE MONTH 1200-1400
ALL WEATHER
CLASS
CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	4.8	9.9	5.9	1.5	.1					26.1	14.9
NNE	.5	1.5	3.6	6.3	5.6	2.7	.4	.1				2.6	15.6
NE	.3	.4	.3	3.1	.9	.9	.8	.1				6.8	16.7
ENE		.1	.4	.9	.4	.3						2.2	15.3
E		.3	.3	.5								1.1	7.6
ESE		.3	.4	.4	.1							1.2	11.2
SE	.1	.9	.7	.9	.4							3.1	10.6
SSE	.1	1.1	1.9	1.5	.8	.9						6.3	12.4
S	.5	1.5	1.3	1.9	.9	.9	.4	1.1				5.2	10.6
SSW	.7	1.3	.1	1.1	.4	.7						4.3	12.7
SW	.5	.8	.4	1.1	.7	.6						4.3	12.9
WSW	.4	.5	.8	.9	.1							2.8	6.7
W	.4	.7	1.1	.5	.3	.1						3.1	9.3
WNW	.1	.3				.1						.5	6.0
NW		.3	.4	.5	.1	.1						1.2	11.3
NNW	.1	.3	.9	.5	.5	.4						6.8	13.4
VARBL													
CALM												4.4	
	4.4	11.4	17.5	30.2	17.3	11.6	1.7	1.3				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS

784

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 117C STATION NAME TIN CITY AFS AK YEARS 77-81 SLP NORTH
CLASS ALL WEATHER HOURS (LST) 1500-1700
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	4.0	6.9	3.7	3.7	.3					2.4	15.0
NNE	.3	.8	5.2	8.6	5.3	2.7	.5	.5				23.9	15.4
NE	.2	.3	2.1	2.9	1.0	.8	1.0	.3				8.6	16.1
ENE		.5		1.3	.5	.2						2.4	13.9
E	.2	.2	1.0	.2								1.5	7.8
ESE	.6	.3	.3	.2								1.5	5.6
SE	.5	.6	1.1	1.0	.5							3.7	9.7
SSE	.2	1.1	1.5	1.9	1.0	.8	.5					6.9	14.6
S	.2	1.1	.8	.6	1.7	1.3	.3	1.0				6.3	16.5
SSW	.2	.5	.3	.8	.6	.8						3.2	15.0
SW	.8	.5	1.0	1.1	1.0	.8	.2					5.3	13.6
WSW	.2	1.7	1.0	.2		.3						2.6	8.6
W		.9	1.3	.2								2.3	7.5
WNW	.2	.5	.6									1.3	6.3
NW	.2	.2	.2	.3		.2						1.2	11.0
NNW	.6	.3	.5	1.3	1.1		.2					4.2	12.8
VARBL													
CALM												5.2	
	4.7	9.9	20.8	27.5	15.7	11.6	2.9	1.8				120.0	13.9

TOTAL NUMBER OF OBSERVATIONS

619

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1170 TIN CITY AFS AK STATION NAME 73-75-81 YEARS SLP
ALL WEATHER MONTH 1952-1953
 CLASS HOURLY (LST)
 CONDITION

SPEED KNOTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	3.1	2.6	3.9	3.1	.9	.2				14.3	17.1
NNE	.9	2.9	6.6	9.4	6.2	2.0	.7					28.8	13.3
NE	.4	1.3	2.4	2.9	1.1	1.1	.4	.4				9.9	13.7
ENE	.2	.4	1.1	2.0	.2	.2	.2					4.2	11.8
E	.4	.7	.4	.2								1.7	5.5
ESE		.4	.2									.6	5.7
SE	.4	1.1	.7	.9	.2	.4						3.7	10.3
SSE	.2	.7	1.1	1.1	.2	.9		.6				4.3	12.4
S	.4	.2	1.3	.7	1.3	1.8	.4	.7	.2			7.2	20.1
SSW	.4	.4	.2	1.5	.7	.6						3.7	13.7
SW	.4	.9	1.5	1.1	.9	.7						5.5	12.4
WSW			1.1				.6					1.7	16.1
W	.7	.9	.2	.7								4.6	6.7
WNW	.2			.4								.6	10.0
NW	.2		.6	.2								.9	8.8
NNW	.4	.4	.6	.6	.4	.9	.4					3.5	15.6
VARBL													
CALM												0.2	
	5.1	11.2	20.9	24.2	15.0	11.7	3.5	1.8	.2			100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 595

1
2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1177 TIN CITY AFS AK 73-81 56
STATION STATION NAME YEARS MONTH
ALL WEATHER 100-2300
CLASS HOURS (LST)
CONDITION

SPEED (KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	3.6	3.9	4.7	2.1	1.3					12.1	14.9
NNE	.7	3.7	7.4	9.2	3.4	1.5	.7	.1				26.8	12.6
NE	.3	2.1	3.1	3.6	1.5	1.6	.1					12.3	12.7
ENE	.4	.4	1.8	.6								3.3	7.8
E	.4	.1	.4									1.0	5.3
ESE	.1	.3	.3									.7	5.6
SE	.7	.9	.4	.7	.1		.1					3.1	8.9
SSE	.4	.4	.9	.4	1.3	.6	.4	.4				9.2	17.1
S	.3	1.9		1.3	1.3	.4	.1	.7				6.2	15.4
SSW	.3	.1	.9	.9	.9	.3	.1					3.9	14.1
SW	.3	.1	.9	.9	.7	.6						3.9	14.3
WSW	.3	.4	1.3	.4		.1	.1					2.8	9.6
W	.4		.9	.1	.1		.3					1.9	11.5
WNW	.3	.6										.7	4.0
NW		.6		.1	.3	.1						1.2	12.0
NNW		.4	.7	.7	.7	.3	.4					3.4	15.3
VARBL													
CALM												0.1	
	6.4	13.6	22.7	23.0	15.3	7.7	4.0	1.3				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7-170 STATION TIN CITY AFS AM 73-81 YEARS
STATION NAME CLASS ALL WEATHER MONTH ALL
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	4.7	7.4	5.4	2.5	.7	.1				22.2	15.5
NNE	.8	3.1	6.2	8.1	4.0	1.5	.6	.1				24.9	13.1
NE	.4	1.0	2.2	3.4	1.1	1.5	.4	.1				10.1	14.0
ENE	.2	.5	.5	.8	.2	.1	.0					2.3	10.6
E	.4	.4	.3	.2								1.2	6.0
ESE	.1	.4	.3	.1	.3							.9	7.5
SE	.4	.5	.6	.6	.3	.1	.7					2.5	9.8
SSE	.2	.6	1.2	1.2	1.0	.7	.4	.4	.0			5.7	16.1
S	.3	1.1	1.0	1.9	1.0	.7	.5	.5	.0			7.1	19.0
SSW	.3	.6	.6	1.0	.4	.4	.1					3.2	12.6
SW	.4	.7	.8	.9	.7	.5	.2					4.2	13.3
WSW	.2	.5	.8	.6	.1	.1	.1					2.2	11.1
W	.4	.6	.6	.3	.2	.0	.0					2.1	8.3
WNW	.2	.3	.1	.1	.0	.0						.7	6.7
NW	.1	.2	.2	.3	.1	.1						.2	10.9
NNW	.3	.3	.7	.8	.7	.3	.3	.0				3.4	14.4
VARBL													
CALM												5.9	
	5.1	11.8	20.7	27.7	15.2	9.1	3.3	1.2	.1			100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 5710

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 7 117 IN CITY AFS AK STATION NAME 77-81 YEARS CGI
 CLASS ALL WEATHER MONTH 0001-0270
 HOURS (LST) 0001-0270
 CONDITION _____

SHFED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.6	4.2	6.5	8.6	3.6	.7	.5				24.1	14.9
NNE	.6	3.3	8.2	9.7	4.4	6.3	1.5	.9				34.9	15.2
NE	.4	1.1	2.8	3.0	3.7	2.2	.5					12.9	15.2
ENE	.7	.4	.7	.4	.4							2.6	8.1
E	.2	.5										.7	4.7
ESE	.2	.4	.6		.1							1.4	7.3
SE	.1		.7	.2	.5	.1						1.2	14.3
SSE		.1		.5	.5	1.1						4.2	19.4
S		.5	1.8	.6	.6	1.4	.1					5.2	14.9
SSW	.1	.2	.4	.1	.4	.1						1.4	12.3
SW		.1	.5	.6								1.2	11.5
WSW		.5	1.3	.6		.1						2.2	10.0
W	.1	.5	.7	.2		.2						1.8	10.6
WNW					.1	.2						.4	21.7
NW		.1		.2	.9	.2						1.5	17.8
NNW		.4	.2	.6	.5	.1	.2	.1				2.2	10.9
VARBL													
CALM												4.3	
	3.9	10.7	21.5	23.4	15.9	15.7	3.1	1.5				100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 813

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-1175 TIA CITY AFS AK 73-81 017
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0320-1550
HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.7	4.1	7.1	4.5	4.1	2.2	.5				24.8	16.6
NNE	.9	3.1	7.9	8.7	6.4	3.7	2.5	1.0				34.0	15.2
NE	.1	2.1	2.6	2.0	2.2	1.8	.5	.2				11.9	14.4
ENE	.2	.1	.2	.6	.5							1.7	11.9
E	.5	.2	.5									1.2	4.6
ESE	.2	.1	.4	.1	.2							1.1	9.4
SE		.1	.6	.4	.5	.1						1.7	13.5
SSE	.1	.5	.7	.2	.4	.9	.4					3.2	10.1
S	.2	.4	.5	1.7	1.0	.6	.1					4.5	14.4
SSW	.1	.2	.4	.2	.1							1.1	9.7
SW		.2	.2	.5								1.1	10.2
WSW		.5	.5	.1								1.1	7.6
W		.1	.2	.9		.1						1.4	13.0
WNW				.4	.1	.1						.6	17.0
NW		.2	.6	.5	.5	.6						2.5	15.5
NNW		.4	.4	.4	.4	.1	.1	.1				1.6	12.1
VARBL													
CALM												6.5	
	2.8	10.1	20.0	23.8	16.8	12.2	5.9	1.8				100.0	14.0

TOTAL NUMBER OF OBSERVATIONS

614

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-175 IIN CITY AFS AK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
677-2802
HOURS LST

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.6	2.5	6.5	4.1	3.4	1.2		.2			2.4	16.1
NNE	1.1	3.3	6.8	9.1	5.7	4.9	1.6	1.1	.1			33.7	15.5
NE	.6	2.1	2.7	2.6	2.3	2.3	.7	.1				13.5	14.6
ENE	.2	.5	1.0	.1	.4							2.2	9.5
E	.4	.4	.6									1.4	5.6
ESE	.1	.2	.5	.4								1.2	6.4
SE		.2	.5	.2	.4	.1	.1					1.0	14.8
SSE	.1	.2	.4	1.1	.2	1.1	.4					3.0	17.4
S		.6	.2	.9	.5	1.2						3.2	15.2
SSW		.5	.7	.5								1.7	8.8
SW		.2	.2	.6	.4							1.5	12.6
WSW		.2	.1	.4								.7	11.2
W		.2	.5	.1								.9	8.4
WNW			.1	.2	.4	.1						.9	10.7
NW	.2	.1	.1	.2	.1	.9						1.7	16.4
NNW	.1	.4	.5	.9	.9	.6						3.3	15.4
VARBL													
CALM												0.5	
	3.8	10.9	17.5	23.9	15.3	14.5	4.1	1.2	.4			100.1	13.6

TOTAL NUMBER OF OBSERVATIONS

811

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-17 ILIN CITY AFS AK STATION NAME 72-81 YEARS 1950-1971 MONTH ALL WEATHER
CLASS ALL WEATHER HOURS 1871
CONDITION

SPEED KNOTS OR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.6	6.9	5.5	2.6	1.7	.4				21.3	10.6
NNE	.7	2.3	6.2	9.6	4.6	4.7	1.8	.5				32.4	15.4
NE	.6	2.7	3.9	3.8	2.6	1.8	1.2	.1				30.3	13.7
ENE	.6	.7	.6	.2	.5		.1					1.3	7.2
E	.4	.6	.5	.1								1.3	5.2
ESE		.4	.2	.1								.7	7.7
SE		.1	.7	.1	.4	.1	.2					1.7	12.1
SSE	.2	.2	.6	.6	.4	.7	.5					3.3	16.2
S	.2	.2	.4	1.1	.5	.6						3.4	13.4
SSW		.4	.6	.2	.4	.1						1.7	11.2
SW	.1	.7	.1	.4	.2							1.6	9.4
WSW		.1	.4	.4								.2	9.9
W			.4	.7	.1							1.2	12.6
WNW					.5	.2						.7	21.2
NW		.4	.2	.2	.2	.1						1.2	12.3
NNW	.4	.1	.1	.6	1.2	.4						2.6	15.2
VARBL													
CALM												7.8	
	3.7	10.7	17.6	25.2	16.9	11.5	5.7	1.0				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

812

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 207
STATION STATION NAME YEARS MONTH
ALL WEATHER 1300-1420
CLASS HOURS (L E T)
CONDITION

SPEED (KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.4	4.5	4.7	4.2	1.2	.3				1.0	16.9
NNE	.5	2.1	5.4	9.5	7.6	3.7	1.5	.6				3.2	15.8
NE	.6	2.2	3.6	5.4	3.3	2.1	1.0	.3				1.9	14.5
ENE		.5	1.3	.3	1.0	.4						3.5	13.8
E	.3	.5	.5	.1								1.4	6.2
ESE	.4	.5	.3			.1						1.3	6.4
SE		.6	.9	.3	.6	.1						4.8	11.7
SSE	.1	.6	.5	.1	.3	.4	.6	.4				3.1	16.8
S	.1	.6	.5	.9	.4	.5	.1					3.2	14.0
SSW	.1	.5	.1	.5	.6							1.9	11.6
SW	.4	.1	.3	.3	.1							1.2	8.3
WSW	.5	.4	.5		.1							1.5	6.4
W		.4	.1	.6	.4							1.5	12.6
WNW	.1		.1	.3	.1	.3						.9	14.3
NW		.4	.3		.9	.1	.1					1.8	15.7
NNW	.1	.1	.5	.0	.8							2.4	13.1
VARBL													
CALM												5.3	
	3.7	11.2	17.3	23.6	21.1	11.7	4.6	1.5				1.0	14.1

TOTAL NUMBER OF OBSERVATIONS 779

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-170 TIN CITY AFS AK 73-81 YEARS 1961
STATION NAME TIN CITY AFS AK 73-81 YEARS 1961
CLASS ALL WEATHER 1500-1700
CONDITION ALL WEATHER 1500-1700

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	2.8	4.6	5.1	3.7	1.7	.3				18.4	16.6
NNE	.7	5.1	8.1	6.7	7.4	4.4	.9	.3				33.5	13.9
NE	.6	1.7	4.1	4.8	4.2	2.2	1.3	.7				19.7	10.0
ENE	.1	.4	1.3	1.6	.7	.1				.1		4.4	11.7
E	.5	.3	.3									1.2	4.4
ESE	.1	.3	.3	.3								1.2	2.0
SE	.3	.6	.4	.3								1.6	7.2
SSE	.1	.1	.3	.3	1.2	.6	1.7					3.0	10.2
S		.4	.4	.7	.6	.6	.3					3.2	16.0
SSW	.1	.1		.4	.6	.6	.3					1.3	14.3
SW	.1	.1		.4	.3							1.0	12.3
WSW	.1	.1		.3								.4	2.5
W	.4	.4	.3	.7	.3							2.2	9.3
WNW				.1	.4							.4	18.6
NW	.1			.3	.4							.2	14.5
NNW	.3	.4	.4	.4	.7	.3	.4					4.2	15.1
VARBL													
CALM												3.7	
	4.2	11.6	18.7	22.1	21.9	11.2	4.9	1.3		.1		100.0	14.1

TOTAL NUMBER OF OBSERVATIONS 689

2

GENERAL CLIMATOLOGY BRANCH
 USAF LTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-177 STATION NAME TIN CITY AFS AK 72-74,77-81 YEARS MONTH 12-1-77
 CLASS ALL WEATHER HOURS 12
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	3.4	4.2	3.6	5.1	1.8	.2	.2				14.3	13.5
NNE	1.4	6.0	7.4	9.6	5.8	4.3	.8	.6				16.3	13.7
NE	.6	2.2	6.0	5.0	3.2	4.3	.4	.5				12.7	14.4
ENE	.2		1.6	.2	1.2							3.2	12.4
E		.4		.2	.2							.6	9.5
ESE		.2	.2									.4	7.5
SE				.2	.2	.2	.2					.3	11.5
SSE	.2	.6	.6	.4	1.1	.2	.6					3.4	14.4
S		.2	.2	.4	1.2	1.4	.6					4.3	24.8
SSW			.4	.6	.2							1.2	12.5
SW			.2	.2	.4	.2						1.2	10.4
WSW	.4			.8								1.2	9.7
W				.2								.2	12.5
WNW													
NW			.2									.2	12.5
NNW	.2	.2		.4	.8	.6	.2	.2	.2			2.3	11.1
VARBL													
CALM												3.4	
	3.2	13.1	20.7	22.7	19.1	13.5	2.4	1.6	.2			17.3	13.5

TOTAL NUMBER OF OBSERVATIONS

572

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1.17 TIN CITY AFS AK STATION NAME 77-81 YEARS 201
CLASS ALL WEATHER MONTH 107-2500
CONDITION

SPEED KNOTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	4.0	5.8	4.1	2.2	.3	.3	.2			2.2	14.2
NNE	1.4	4.1	8.6	3.7	7.7	4.7	2.1	1.2				7.0	15.2
NE	.5	1.4	3.4	4.4	2.7	3.4	.3					10.3	14.6
ENE	.6	.6	1.1	.6	.2	.2						3.2	6.0
E	.2	.3	.5									.9	5.5
ESE	.2		.3									.2	7.0
SE	.2	.2	.2	.6	.3							1.4	12.0
SSE		.3	.6	.8	.5	.6						6.0	14.5
S		.6	.8	.9	.9	1.1	.3					4.9	16.3
SSW			.9		.3							1.2	11.0
SW			.3	.3	.2	.2						.9	14.5
WSW			.2	.3	.5							.9	10.0
W	.2	.5	.2	.9								1.7	9.0
WNW		.2										.2	6.0
NW		.2			.6	.2						.2	17.7
NNW	.2	.6	.2	.6	.6	.5		.2				2.3	15.7
VARBL													
CALM												4.0	
	4.0	10.9	21.0	24.0	17.2	13.5	3.1	1.7	.2			11.0	13.7

TOTAL NUMBER OF OBSERVATIONS

653

2

JOINT CLIMATOLOGY BRANCH
 COMPTON
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1175 IIR CITY AFS AK STATION NAME 73-61 YEARS 61
 CLASS ALL WEATHER HOURS (LST) ALL
 CONDITION

SPEED KNOTS C R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.2	3.3	5.8	4.7	3.2	1.1	.3	.1			21.0	13.1
NNE	.9	3.3	7.3	9.2	6.1	4.5	1.6	.8				13.3	11.1
NE	.5	1.3	3.5	3.8	2.8	2.4	.8	.2				10.1	11.2
ENE	.4	.4	.9	.5	.6	.1	.5					1.2	11.0
E	.3	.4	.4	.1	.5							.2	10.6
ESE	.2	.3	.4	.1	.1	.2						.1	10.4
SE	.1	.2	.5	.3	.3	.1	.1					.1	10.0
SSE	.1	.3	.5	.5	.5	.8	.4	.1				.1	17.3
S	.2	.3	.6	.9	.7	.2	.2					.3	10.4
SSW	.1	.3	.4	.3	.3	.2						.1	11.4
SW	.1	.2	.2	.4	.2	.2						.2	11.0
WSW	.1	.3	.4	.3	.1	.0						.2	10.0
W	.1	.3	.3	.6	.1	.1						.4	10.2
WNW	.1	.2	.2	.1	.2	.1						.1	17.4
NW	.1	.2	.2	.2	.5	.3						.4	10.7
NNW	.2	.2	.3	.6	.7	.3	.1	.1	.5			2.6	15.7
VARBL													
CALM												5.7	

TOTAL NUMBER OF OBSERVATIONS

5475

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 177 TIN CITY AFS AK STATION NAME YEARS 73-84 MONTH NOV
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.3	5.5	7.3	5.0	2.0	.9				24.1	18.8
NNE	.4	1.5	4.2	6.5	6.6	5.7	1.1	.5	.4			27.3	17.3
NE		1.1	1.3	1.9	1.5	1.8	.5					8.2	16.3
ENE	.3	.3	.8	.5	.4	.3						2.4	12.4
E	.3	.4		.1		.3						1.7	9.8
ESE	.3	.5	.1	.3	.1							1.3	7.8
SE	.1	.3	.6	.4	.8	.5	.4					3.1	16.5
SSE		.4	.6	2.3	1.4	1.8	.8	.9		.5		8.4	11.8
S	.6	.4	.1	.5	1.1	.9	.9	.1	.3			4.3	19.2
SSW		.7	.4	.4	.6	.3	.3					2.2	16.1
SW		.1	.1	.3		.1						.6	13.4
WSW	.1	.3	.4	.6	.5	.1						2.3	12.8
W	.3	.4	.4	.6	.1	.1						1.9	15.3
WNW						.3						.3	24.5
NW	.1		.3	.4								.8	9.7
NNW	.1	.1	1.1	1.0	.8	.9	.4					4.5	16.4
VARBL												7.5	
CALM													
	2.5	7.1	12.7	21.0	21.3	18.0	6.2	2.4	.6	.5		100.0	16.3

TOTAL NUMBER OF OBSERVATIONS

785

1 GENERAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 1170 TTN CITY AFS AK 73-81 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (LST)

SPEED KNOTS D.R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	3.8	6.4	8.7	4.8	2.3	.6	.3			28.1	17.8
NNE	.3	1.7	3.9	6.6	5.3	4.8	1.3	.9	.5			25.3	17.6
NE	.1	.5	1.1	2.4	1.3	1.7	1.1					8.4	17.0
ENE	.3	.3	.4	.6	.3		.3					2.5	14.4
E	.1	.1	.5	.3	.1							1.1	9.9
ESE		.3			.1	.1						.5	13.3
SE	.1	.4	.8	.3	.8	.6	.3					3.2	16.1
SSE	.1	.5	1.1	1.4	1.8	1.8	.9	.4	.3	.1		8.4	20.2
S	.5	.4	.1	.6	1.1	1.7	.4	.5	.1			4.3	19.6
SSW		.3	.3	.4	.4		.1	.4				1.8	18.8
SW		.1	.3		.5		.1	.1				1.1	18.6
WSW		.4	.4	.5	.4							1.7	11.6
W	.4		.3	.5	.3	.3						1.7	12.2
WNW			.1	.1		.1						.4	14.7
NW	.1			.4	.3							.8	12.3
NNW		.3	.9	.8	.8	.5	.1	.1				3.4	16.3
VARBL													
CALM												6.7	
	2.8	6.4	14.0	21.2	21.9	15.8	6.9	3.1	1.1	.1		110.3	16.2

TOTAL NUMBER OF OBSERVATIONS 786

SURFACE WINDS

204

YEAR

MONTH

16 27-2600

CLASS

NOV 19 1951

CONCLUSION

TOTAL NUMBER OF OBSERVATIONS

787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7.175 TIN CITY AFS AK 73-81 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.6	2.5	6.4	6.4	6.4	1.1	1.1				25.5	18.4
NNE	.5	3.1	4.3	6.7	7.2	4.4	1.8	1.6	.3			29.8	16.9
NE	.1	1.1	1.0	1.6	2.4	.9	.3	.1	.3			7.8	18.1
ENE		.8	.8	.1	.1							1.8	8.1
E	.1	.3	.1									.5	5.3
ESE				.1	.3	.1						.5	19.5
SE	.1		.8	1.7	1.5	.6	.5	.5				3.0	19.5
SSE		.3	.8	1.8	1.4	2.3	1.5	1.0				8.9	22.1
S		.4	.5	.4	.4	.8	.3	.5				2.0	20.7
SSW			.6	.8	.6	.6		.1				2.8	17.1
SW		.5	.8	.4		.3	.1	.1				2.1	13.2
WSW			.3	.3	.8	.1	.3					1.5	18.7
W	.1	.1	.3		.3							.6	10.0
WNW						.1	.1					.3	26.5
NW	.1	.1	.1		.1	.1						.6	12.2
NNW	.1		.6	1.0	1.5	.6						3.9	16.6
VARBL												5.2	
CALM													
	2.1	7.3	13.3	20.5	22.5	17.5	5.9	5.2	.5			100.0	16.7

TOTAL NUMBER OF OBSERVATIONS 795

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1177 TIN CITY AFS AK

77-81

NCV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS - L E T

CONDITION

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	2.2	2.0	6.6	6.5	4.7	1.4	1.4				25.1	18.0
NNE	.4	3.3	3.9	6.9	5.6	4.7	2.0	2.1				28.5	17.4
NE	.1	1.4	1.0	1.8	2.2	1.0	.4	.4				6.5	15.9
ENE		.5	.5	.4	.3							1.7	15.2
E	.3	.1		.1			.1					.7	15.2
ESE		.1	.1	.1	.3	.3	.3					1.2	16.8
SE	.1	.1	.7	1.3	1.2	.4	.3					4.3	15.7
SSE		.4	.9	2.0	1.7	1.7	1.4	.9	.1			9.1	21.2
S		.1	.8	1.7	.1	.8	.3	.4				4.2	18.0
SSW		.4	.4	.3	.5	.9	.1					2.6	18.0
SW			.5	.5	.4	.1	.3					1.5	15.8
WSW		.3	.1	.9	.3		.1					1.7	13.8
W			.1	.5	.4	.4	.3					1.7	19.8
WNW	.1	.1	.1				.1					.5	15.8
NW	.1			.4	.1	.3						.9	16.4
NNW	.1	.1	.1	.9	1.6	.4	.1	.3				3.6	18.5
VARBL													
CALM												4.3	
	1.6	9.3	11.3	24.4	21.1	15.6	7.2	5.5	.1			100.0	16.8

TOTAL NUMBER OF OBSERVATIONS

769

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-1700
HOURS LT ST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.6	2.1	5.4	6.7	4.1	1.3	.7				23.1	17.8
NNE	.9	1.9	3.1	9.3	5.6	5.0	2.6	2.4				31.7	16.2
NE	.6	.6	2.1	2.6	1.1	1.3	.4	.1				8.8	14.4
ENE	.1	1.3	.4	.3								1.9	7.5
E	.1	.3			.3	.3						1.0	14.3
ESE			.3									.3	9.0
SE	.3	.3	1.0	1.9	1.4	.7	.3					5.8	15.1
SSE	.1	.4	1.3	1.4	.4	1.9	.7	1.1	.1			7.6	20.5
S	.4	.6	.4	1.7	.9	2.1	.1	.1	.3	.1		6.8	18.7
SSW			.3	.7	.1	.1	.4					1.7	18.1
SW		.1	.1	.7	.4							1.4	14.1
WSW			.3	.3	.4		.1					1.1	16.3
W		.1	.4	.6	.1	.3						1.6	14.3
WNW		.1	.1	.3	.6	.1						1.3	15.5
NW				.3	.3							.6	17.3
NNW		.1	.1	.9	.3	.3	.4	.1				2.3	19.2
VARBL												4.5	
CALM													
	2.7	7.1	12.3	27.2	18.7	16.3	6.4	4.7	.4	.1		100.0	16.6

TOTAL NUMBER OF OBSERVATIONS

701

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73.77-81
YEARS

NOV
MONTH
1900-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED KNTS; DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.2	3.7	4.3	3.5	1.4	1.2				15.6	20.3
NNE	.8	.6	6.8	8.6	6.8	7.0	4.3	1.6	.6			37.2	18.8
NE	.2	1.4	1.6	2.9	1.9	3.1	1.2					12.3	16.7
ENE	.4	1.0	1.0	.6	.6							3.7	9.6
E		.2	.2			.2						.6	13.7
ESE	.2				.6	.2						1.0	16.4
SE		.4	.4	.4	.2		.4					1.9	14.2
SSE		.4	.6	.8	1.4	2.3	1.0	1.0	.8			8.4	24.2
S		.4	.9	1.0	1.0	2.1	1.2	.2	.2	.2		7.2	21.8
SSW	.4			.4	.6							1.4	12.1
SW		.4		.2	.2							.8	10.5
WSW				.2		.4						.6	19.7
W			.4	.6	.2							1.2	13.2
WNW		.2	.6	.2	.4							1.4	11.9
NW		.2	.2	.4		.2						1.0	13.6
NNW		.2	.2	.4	.2	.8	.4					2.3	19.5
VARBL													
CALM												3.1	
	2.1	5.3	14.2	20.6	18.5	19.8	10.1	4.1	1.6	.2		100.0	18.3

TOTAL NUMBER OF OBSERVATIONS 486

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 1170 TIN CITY AFS AK 73-81 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	1.8	5.6	4.9	5.7	1.8	.5				21.7	18.6
NNE	.5	1.7	4.4	7.4	6.0	6.0	2.6	1.6	.3			29.9	13.7
NE	.3	.4	2.5	2.8	2.0	2.0	1.1					11.9	16.9
ENE		1.3		1.0	.7							2.6	11.4
E		.3	.2	.3	.3	.7						1.3	13.6
ESE		.3		.3								.5	15.3
SE	.2	.3	.5	.2	1.3	.7						2.2	15.7
SSE		.3	.5	1.1	2.3	1.1	.3	1.5	.5	.2	.2	7.8	24.9
S	.3	.2	.3	1.6	1.1	1.5	.8	.3	.2			6.4	23.4
SSW		.3	.5	.5	.2							1.5	11.1
SW		.3	.2	.3	.2							.3	12.4
WSW		.3	.3	.3	.3							.3	13.2
W		.2	.7	.3	.3							1.5	11.4
WNW		.3	.2	.3	.3							.3	7.5
NW		.3	.2	.3								.7	15.8
NNW	.3		.5	.3	.5	1.5						3.1	17.8
VARBL												6.4	
CALM													
	2.1	6.7	11.8	22.4	19.8	19.6	6.7	3.9	1.0	.2	.2	170.0	17.3

TOTAL NUMBER OF OBSERVATIONS 612

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 171 TIN CITY AFS AK 77-81 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.7	5.9	6.7	5.1	1.6	.9	.0			24.6	18.3
NNE	.5	1.9	4.2	7.3	6.2	5.3	2.1	1.5	.3			30.3	17.8
NE	.2	.9	1.4	2.2	1.7	1.7	.7	.1	.0			9.1	16.2
ENE	.2	.6	.6	.5	.4	.0	.0					3.2	13.7
E	.2	.3	.1	.1	.1	.1	.0					.9	13.3
ESE	.1	.1	.1	.1	.2	.1	.0					.3	14.5
SE	.1	.2	.6	.8	.9	.6	.3	.1				3.7	16.9
SSE	.1	.3	.9	1.6	1.6	1.8	1.0	1.0	.2	.1	.0	8.6	21.7
S	.3	.9	.4	1.0	.8	1.3	.5	.3	.1	.5		5.0	19.9
SSW	.0	.2	.3	.4	.4	.3	.1	.1	.0			1.9	17.3
SW		.2	.3	.3	.2	.1	.1	.1				1.4	15.1
WSW	.0	.2	.2	.5	.4	.1	.1					1.0	14.2
W	.1	.1	.3	.5	.3	.1	.0					1.4	13.4
WNW	.0	.1	.2	.1	.1	.1	.0					.6	13.6
NW	.1	.1	.1	.3	.1	.1						.7	12.8
NNW	.1	.1	.5	.7	.9	.7	.3	.1				3.3	17.9
VARBL													
CALM												5.4	
	2.3	6.3	13.0	22.4	21.0	17.2	7.0	4.2	.7	.1	.0	103.0	16.7

TOTAL NUMBER OF OBSERVATIONS 5721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	2.2	5.9	10.3	12.1	5.9	3.2	.4			4.5	22.5
NNE	.1	1.2	3.1	6.5	8.1	5.7	2.2	.6	.1			7.3	16.4
NE	.2	.6	1.2	.5	1.6	2.1	.1					5.5	16.2
ENE		.1	.1	.1								.4	7.7
E		.1		.2								.1	11.3
ESE						.1						.1	26.7
SE		.1	.2	.1	.2	.2		.6				1.8	23.6
SSE		.4	.1	.4	.4	.9	.5	.1				2.6	25.8
S	.4	.7	.5	1.5	1.6	1.4	.1	.4	.5			8.6	19.5
SSW	.4	.2	.4	.5		.5	.4					2.4	14.9
SW	.1	.2	.5	.4	.1							1.4	9.4
WSW			.1	.2								.4	11.7
W	.1	.1		.1								.4	7.2
WNW		.2	.2		.3							.7	11.0
NW		.1	.2		.1	.1						.6	12.8
NNW		.1			.2	.4	.1					.9	20.7
VARBL													
CALM												6.5	
	1.5	4.4	9.1	16.5	23.1	23.6	9.5	5.0	1.7			12.0	16.5

TOTAL NUMBER OF OBSERVATIONS

872

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 117' TIN CITY AFS AK 73-81 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS. DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	2.4	7.3	9.9	11.3	4.3	4.7	.6			41.1	22.2
NNE	.2	.5	2.6	6.4	8.1	5.5	2.9	.4	.2	.1		27.0	19.2
NE	.1	.5	.4	1.5	1.2	2.2						5.9	17.1
ENE		.4	.1	.1	.2							.2	11.0
E			.5	.1		.1						.5	12.0
ESE													
SE		.1		.2	.1	.6		.5	.2			1.2	27.1
SSE	.2	.2	.2	.4	.6	1.0	.4	.4				3.5	23.0
S	.4	.1	.4	1.4	1.9	1.2		.6	.1			6.1	19.3
SSW	.9	.1		.4	.4	.2	.1					2.1	11.1
SW	.5	.4	.2	.5	.1	.1	.2					2.1	11.6
WSW	.1					.2						.4	18.0
W	.1				.2							.4	13.0
WNW		.1		.1	.1							.4	12.0
NW			.1			.1						.2	16.0
NNW	.1			.1	.1	.6	.4					1.4	21.5
VARBL													
CALM												5.6	
	2.9	3.1	7.1	18.6	23.0	23.3	8.3	6.6	1.2	.1		170.0	18.9

TOTAL NUMBER OF OBSERVATIONS 607

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 7 2170 TIN CITY AFS AK STATION NAME 77-64 YEARS MONTH DEC 0600-0800 HOURS LAST 1
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2	1.5	7.1	9.7	13.0	5.8	3.1	.4	.4		41.2	22.8
NNE	.2	.9	3.0	6.7	6.4	6.7	2.6	.4				26.9	18.4
NE	.1	.4	1.1	2.5	2.1	1.0	.5	.2				7.9	17.1
ENE	.1		.2	.4	.1							.9	11.3
E		.1					.1					.2	17.0
ESE			.2	.1								.4	9.7
SE	.1	.5	.1	.1	.1	.2	.2					1.9	13.8
SSE	.1	.2		.9	.7	.6	.4	1.0				4.0	22.8
S	.5	.5	.5	.7	1.0	1.2	.5	.4				9.3	17.6
SSW	.2	.5	.1	.4	.6		.1					2.1	12.6
SW		.4	.5	.6		.1						1.8	10.1
WSW	.2	.4		.2		.2						1.1	10.9
W		.7			.2							.5	11.5
WNW			.1	.1								.2	12.0
NW			.6	.1		.1						.9	11.4
NNW					.1	.4	.1					.6	24.0
VARBL													
CALM												4.7	
	1.9	4.5	8.0	19.0	21.2	23.6	10.4	5.1	.4	.4		100.0	18.8

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7-1170 TIN CITY AFS AK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
DEC
1980-1170
HOURS: L E T

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	7.5	9.5	12.5	5.9	3.3	.1	.4		39.2	13.0
NNE		.1	3.6	7.4	6.4	6.5	4.1	.6				28.7	19.4
NE	.2	.1	.7	2.6	1.4	1.5	.2	.1				6.9	16.8
ENE	.1	.1	.4	.1								.7	8.2
E	.2			.4								.6	7.8
ESE		.1										.1	5.0
SE	.1		.1	.1		.2						.5	14.1
SSE	.1	.2	.1	.5	.7	.9	.9	.4				3.3	11.7
S	.1	.5	1.4	1.4	1.2	1.2	.2	.9				8.7	17.9
SSW	.2	.7	.5	.2	.2	.1		.1				2.2	15.7
SW	.2	.2	.2			.4						1.1	11.8
WSW		.1			.1							.2	12.5
W		.1	.4	.1	.2							.7	11.3
WNW			.1									.1	7.0
NW		.4	.4	.2								1.0	9.3
NNW		.4	.4	.6	.1	.4	.2	.1				2.2	16.8
VARBL													
CALM												4.3	
	1.5	3.2	9.2	21.2	18.7	23.7	11.6	5.5	.1	.4		100.0	16.9

TOTAL NUMBER OF OBSERVATIONS 811

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1170 TIN CITY AFS AK 73-81 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
DLC
NORTH
1200-1400
HOURS (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	1.8	7.5	6.6	11.6	6.8	2.2	.3	.3		37.8	22.3
NNE	.1	.6	3.9	8.2	6.5	7.7	3.8	.4				31.2	18.9
NE	.4	.6	.9	1.4	1.6	.9	.1					6.1	14.4
ENE		.4										.4	4.3
E				.4	.1							.5	15.5
ESE	.1			.1								.3	6.2
SE		.3		.1		.1	.1					.6	15.8
SSE	.1	.1	.1	.6	.5	1.7	.3	.3	.1			3.8	22.5
S	.5	.9	1.4	.8	2.1	1.7	.3	.5				7.5	16.6
SSW	.3	.5	.5		.1	.1		.3				2.5	10.2
SW		.4		.1		.3	.3					1.3	16.3
WSW			.1	.1	.1							.4	14.7
W	.1	.1		.1		.4						.8	15.3
WNW		.1										.1	5.0
NW		.1		.4	.1							.6	13.0
NNW		.1	.3	1.7	.4	.3	.1					2.2	15.6
VARBL													
CALM												4.3	
	2.5	5.2	9.1	21.0	18.2	23.4	12.2	3.6	.4	.3		170.0	10.5

TOTAL NUMBER OF OBSERVATIONS 77

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1170 TIN CITY AFS AK 73-81 DEC
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	2.2	7.0	4.7	10.3	5.1	1.1	.2	.2		30.1	21.6
NNE		1.1	4.1	5.4	9.7	8.6	3.6	1.4	.2			34.1	19.5
NE	.2	1.1	.6	1.3	1.1	1.1	.5	.2	.2			6.2	10.3
ENE		.2			.3							.5	15.3
E			.3	.2								.5	15.7
ESE				.2								.2	12.7
SE		.3	.2	.2	.2	.3	.2	.2	.3			1.7	23.6
SSE		.2	.3	.5	.8	.8	1.0					3.5	20.5
S	.2	.3	1.1	3.2	1.7	1.1	.5	.2				6.7	15.7
SSW	.3	.3	1.0	.2	.6	.2	.2					2.7	12.0
SW	.2	.5			.2	.3						1.1	12.1
WSW		.3	.2	.5	.6							1.6	13.8
W		.2	.2		.3	.2						.0	15.4
WNW	.3											.3	2.0
NW			.2	.5								.6	12.0
NNW		.2	.6	.2	.3	.3	.3	.2				2.1	18.0
VARBL													
CALM												5.4	
	1.1	5.2	10.9	19.0	19.8	23.1	11.3	3.2	.8	.2		100.0	18.1

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 1170 TTN CITY AFS AK 73,77-81
STATION MONTH YEARS
ALL WEATHER
CLASS
CONDITION
1957-2070
HOURS (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.8	5.2	6.2	6.6	2.4	.8				23.6	19.9
NNE		2.5	3.8	5.4	10.0	11.8	3.5	.8	.4			37.3	19.5
NE		.5	1.4	.8	1.2	.8						5.5	13.5
ENE	.4		.4									.8	4.8
E		.2	.4	.2								.8	9.3
ESE	.2				.2							.4	11.5
SE			.2	.4	.2	.4						1.2	17.8
SSE	.2	.5	.8	.8	.4	1.2	.8	.2				5.5	18.8
S	.6	1.6	1.0	3.5	3.5	2.5	.2	.4	.2			12.5	16.2
SSW	.4	.5	.2	.2		.8						2.2	11.9
SW	.4	.2	.4	.8								1.8	8.6
WSW	.6		.2		.6							1.4	15.1
W				.2	.6	.4						1.2	19.7
WNW													
NW				.4	.2							.6	14.7
NNW		.2	.4									.5	7.3
VARBL												6.5	
CALM													
	2.8	6.3	11.0	17.4	22.6	24.0	6.4	2.2	.6			100.0	16.8

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 170 TIN CITY AFS AK STATION NAME 77-81 YEARS MONTH DEC
CLASS ALL WEATHER HOURS 2100-2300
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	1.4	6.2	8.5	9.7	3.7	2.8				73.4	21.2
NNE		1.7	2.9	5.4	7.5	10.6	1.8	.9	.6			31.5	19.7
NE		.9	.5	.8	1.2	.6	.2					4.2	14.9
ENE		.3		.7	.2							.6	15.3
E			.2									.2	7.5
ESE	.2			.5								.6	11.6
SE	.2	.5	.3	.2	.3	.2		.2				1.7	12.9
SSE		.2	.3	.9	.9	.8	.6	.3				4.0	20.9
S	1.4	1.2	1.1	2.3	2.3	1.8	.9	.2	.2	.2		11.5	16.4
SSW	.5	.3	.2	.3	.2							1.4	7.8
SW	.2	.8	.3									1.2	5.2
WSW	.5	.6	.5	.3	.3							2.2	8.7
W		.2			.2	.2						.5	15.3
WNW			.3									.3	7.5
NW	.3				.2							.5	8.9
NNW		.2			.2	.5	.2					.9	20.5
VARBL													
CALM												5.4	
	3.1	8.0	7.8	16.9	21.8	24.3	7.4	4.3	.8	.2		100.3	17.7

TOTAL NUMBER OF OBSERVATIONS

65

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7-170 TIN CITY AFS AK 73-81
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
D.C. MONTH
ALL
HOURS (L.S.T.)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	1.8	6.8	8.2	11.1	5.1	2.8	.3	.2		36.6	22.2
NNE	.1	1.0	3.3	6.5	7.7	7.6	3.0	.7	.2	.5		33.1	19.1
NE	.2	.6	.8	1.5	1.5	1.3	.2	.1	.5			5.2	16.1
ENE	.1	.2	.2	.1	.1							.6	9.4
E	.0	.1	.2	.2	.5	.5	.5					.5	11.7
ESE	.1	.7	.8	.1	.5	.5						.2	11.2
SE	.1	.2	.1	.2	.1	.3	.1	.2	.1			1.3	19.7
SSE	.1	.3	.2	.6	.6	.9	.7	.3	.5			3.7	21.0
S	.5	.7	.9	1.7	1.7	1.3	.3	.4	.1	.5		7.7	17.2
SSW	.5	.4	.3	.3	.3	.2	.1	.1				2.2	11.6
SW	.2	.4	.3	.3	.1	.2	.1					1.4	10.6
WSW	.2	.2	.1	.2	.2	.1						.9	11.5
W	.1	.1	.1	.1	.2	.1						.6	14.0
WNW	.0	.1	.1	.0	.1							.3	9.2
NW	.0	.1	.2	.2	.1	.1						.6	11.4
NNW	.0	.1	.2	.3	.2	.4	.2	.5				1.4	10.2
VARBL												5.3	
CALM													
	2.1	4.9	8.9	18.9	21.0	23.6	9.8	4.6	.7	.2		100.0	18.4

TOTAL NUMBER OF OBSERVATIONS

5778

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-117: YIN CITY AFS AK 73-81

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL NORTH

ALL HOURS - LST

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	2.2	6.0	7.5	7.8	2.3	1.2	.1	.0		28.7	19.9
NNE	.4	1.7	3.9	7.0	6.1	5.3	1.8	.6	.1	.0		26.9	17.1
NE	.2	.8	1.5	1.9	1.2	1.2	.3	.1	.0	.0		7.2	14.6
ENE	.1	.3	.3	.2	.1	.0	.0	.0				1.1	9.8
E	.1	.2	.2	.1	.0	.0	.0					.6	7.8
ESE	.1	.1	.1	.1	.1	.0	.0					.6	10.6
SE	.2	.3	.4	.5	.4	.2	.1	.0	.0			2.2	14.2
SSE	.2	.5	.9	1.4	1.1	.8	.4	.2	.0	.0		5.6	16.3
S	.5	1.3	1.9	2.6	1.5	.8	.2	.1	.0	.0		9.1	13.2
SSW	.4	.9	1.1	1.2	.6	.2	.0	.0	.0			4.5	10.9
SW	.3	.6	.7	.8	.3	.1	.0	.0				2.9	10.3
WSW	.2	.4	.4	.3	.1	.0	.0					1.5	9.3
W	.1	.3	.3	.2	.1	.0	.0					1.0	9.0
WNW	.0	.1	.1	.0	.0	.0	.0					.3	10.8
NW	.0	.1	.1	.1	.1	.0	.0					.5	12.7
NNW	.1	.1	.3	.5	.5	.3	.1	.0	.0			1.9	16.2
VARBL												5.7	
CALM													
	3.4	8.3	14.5	23.0	19.7	17.0	5.8	2.2	.3	.1	.0	100.0	15.4

TOTAL NUMBER OF OBSERVATIONS 67857

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 1170	TIN CITY AFS AM	73-81	ALL MONTH
STATION	STATION NAME	YEARS	ALL HOURS (CST)
INSTRUMENT			
CLASS			
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,			
CONDITION			
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE			

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	1.6	5.1	9.5	11.5	3.9	1.6	.1			34.4	21.2
NNE	.2	.6	1.8	5.3	6.2	6.5	2.3	.7	.0			23.5	19.5
NE	.2	.3	.6	1.1	.9	.6	.4	.1				4.4	16.6
ENE	.1	.1	.1	.1	.1	.1	.0					.5	13.4
E	.1	.1	.1	.0	.0	.0						.3	7.6
ESE	.1	.1	.1	.1	.2	.1	.0					.5	13.4
SE	.1	.2	.3	.6	.6	.4	.2	.1	.5			2.4	16.8
SSE	.1	.4	.6	1.5	1.6	1.3	.7	.4	.2	.0		6.9	18.6
S	.3	1.1	2.0	3.1	2.1	1.4	.4	.2	.1	.0		17.6	15.1
SSW	.3	.6	1.2	1.8	.9	.3	.1	.5				5.2	12.7
SW	.2	.4	.8	.8	.6	.1	.3	.0				3.1	12.3
WSW	.1	.3	.3	.4	.2	.0	.0					1.4	10.9
W	.1	.2	.2	.2	.1	.0	.0					.8	9.8
WNW	.0	.0	.0	.0	.0	.0						.2	14.5
NW	.0	.0	.1	.1	.1	.1	.0					.4	15.7
NNW	.0	.1	.3	.6	.6	.5	.2	.1	.0			2.4	16.0
VARBL												2.4	
CALM													
	2.0	5.0	10.3	21.9	23.8	23.1	8.1	3.1	.2	.0		170.3	18.0

TOTAL NUMBER OF OBSERVATIONS 24765

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 10 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 5/10 total sky cover and those cases where total sky cover is 5/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY STATUTE MILES												
	10	6	5	4	3	2	1	1/2	1/3	1/4	1/5	1/6	0
NO CEILING													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 117 TTN CITY AFS AK

73-81

JAN

PERCENTAGE OF NUMBER OF OBSERVATIONS
WITH CEILING AT OR BELOW VISIBILITY

0000-1200

17.1	28.8	32.1	32.7	35.8	36.6	38.7	41.7	42.7	45.8	47.1	47.1	48.8	48.8	49.5	51.2
17.1	29.0	32.2	32.9	36.2	37.0	39.1	42.1	43.1	46.2	47.5	47.5	49.2	49.2	49.9	51.6
17.1	29.4	32.6	33.2	36.6	37.4	39.5	42.7	43.8	46.9	48.2	48.2	49.9	49.9	50.6	52.2
17.1	29.4	32.6	33.2	36.6	37.4	39.5	42.7	43.8	46.9	48.2	48.2	49.9	49.9	50.6	52.2
17.5	29.7	33.2	33.9	37.3	38.1	40.1	43.4	44.4	47.5	49.0	49.0	50.6	50.6	51.3	53.0
18.1	30.4	33.9	34.5	37.9	38.7	40.9	44.2	45.2	48.3	49.7	49.7	51.4	51.4	52.1	53.8
18.4	31.7	35.2	35.8	39.2	40.0	42.2	45.5	46.5	49.6	51.0	51.0	52.9	52.9	53.5	55.2
18.4	31.7	35.2	35.8	39.2	40.0	42.2	45.5	46.5	49.6	51.0	51.0	52.9	52.9	53.5	55.2
19.9	33.9	37.5	38.2	41.6	42.3	44.5	48.2	49.2	52.3	54.0	54.0	55.7	55.7	56.4	58.1
21.6	36.5	41.1	40.9	44.3	45.1	47.3	50.9	52.1	55.5	57.1	57.1	58.8	58.8	59.5	61.2
22.2	38.1	41.7	42.7	46.2	47.1	49.4	53.4	54.5	57.9	59.6	59.6	61.3	61.3	61.9	63.6
22.2	38.4	42.1	43.1	46.6	47.5	49.7	53.8	54.9	58.3	60.0	60.0	61.7	61.7	62.3	64.0
22.5	38.7	42.3	43.4	46.9	47.8	50.0	54.0	55.2	58.6	60.3	60.3	61.9	61.9	62.6	64.3
24.3	41.3	44.9	46.0	49.7	50.6	53.1	57.1	58.3	61.7	63.4	63.4	65.2	65.2	65.8	67.5
25.8	43.5	47.1	48.4	52.5	53.4	55.8	59.9	61.0	64.4	66.1	66.1	68.1	68.1	68.7	70.4
26.5	44.7	48.3	49.7	54.2	55.1	57.5	61.6	62.7	66.1	67.8	67.8	69.7	69.7	70.4	72.1
26.6	46.5	50.1	51.6	56.1	57.0	59.6	63.6	64.8	68.2	69.9	69.9	71.8	71.8	72.5	74.2
26.9	47.3	51.2	53.0	57.7	58.6	61.8	66.1	67.3	70.9	72.6	72.6	74.5	74.5	75.2	76.9
27.1	47.8	51.8	53.8	58.4	59.4	62.9	67.3	68.6	72.2	73.9	73.9	75.8	75.8	76.5	78.2
27.0	48.3	53.0	55.5	60.1	61.0	64.8	69.9	71.5	75.6	77.3	77.3	79.2	79.2	79.9	81.6
27.0	49.2	53.4	56.0	60.8	61.8	66.2	71.3	73.0	77.3	79.0	79.0	81.0	81.0	81.7	83.4
27.0	49.6	53.9	56.5	61.4	62.5	67.1	72.6	74.4	78.8	80.8	80.8	82.9	82.9	83.5	85.5
27.1	50.0	54.7	57.3	62.2	63.2	67.9	73.5	75.5	79.9	82.1	82.1	84.2	84.2	84.8	86.9
27.3	50.4	55.3	58.1	63.4	64.4	69.2	75.2	77.3	81.7	84.3	84.3	86.5	86.5	87.3	89.4
27.4	51.3	56.2	59.0	64.4	65.7	71.0	77.3	79.4	84.2	86.8	86.8	89.1	89.2	90.1	92.7
27.4	51.2	56.5	59.2	64.7	66.2	71.7	77.9	80.1	85.5	88.3	88.3	90.8	91.0	92.1	94.8
27.5	51.3	56.6	59.5	65.2	66.5	72.2	78.7	80.9	86.4	89.2	89.2	91.7	91.9	93.2	96.0
27.5	51.3	56.6	59.5	65.5	67.0	72.5	79.2	81.4	87.3	90.1	90.1	92.6	92.9	94.2	97.1
27.5	51.3	56.6	59.5	65.5	67.0	72.5	79.2	81.4	87.3	90.4	90.5	93.2	93.5	94.8	97.8
27.5	51.3	56.6	59.5	65.5	67.0	72.5	79.2	81.4	87.3	90.4	90.5	93.6	93.9	95.3	98.6
27.5	51.3	56.6	59.5	65.5	67.0	72.5	79.2	81.4	87.3	90.4	90.5	93.8	94.0	95.6	99.7
27.5	51.3	56.6	59.5	65.5	67.0	72.5	79.2	81.4	87.3	90.4	90.5	93.8	94.0	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIM CITY AFS AK

73-81

JAN

1000-1000
1000-1000

0300-0500

15.9	30.1	32.6	34.7	38.1	38.8	40.3	43.2	44.6	47.4	48.6	48.6	49.4	49.4	50.3	51.4
16.0	30.2	33.0	34.8	38.3	39.1	40.8	43.7	45.2	48.1	49.2	49.2	50.1	50.1	50.9	52.1
16.6	31.2	34.0	35.8	39.3	40.1	41.8	45.1	46.6	49.4	50.6	50.6	51.4	51.4	52.3	53.4
16.6	31.2	34.0	35.6	39.3	40.1	41.8	45.1	46.6	49.4	50.6	50.6	51.4	51.4	52.3	53.4
16.7	31.3	34.1	36.0	39.5	40.2	41.9	45.2	46.7	49.6	50.7	50.7	51.6	51.6	52.4	53.6
16.7	31.3	34.1	36.0	39.5	40.2	41.9	45.2	46.7	49.6	50.7	50.7	51.6	51.6	52.4	53.6
17.2	32.7	35.6	37.5	40.9	41.7	43.6	46.8	48.3	51.2	52.3	52.3	53.2	53.2	54.1	55.2
17.2	33.1	36.0	37.8	41.3	42.1	43.9	47.2	48.7	51.6	52.7	52.7	53.6	53.6	54.4	55.6
18.2	35.0	38.0	39.8	43.3	44.1	45.9	49.3	50.8	53.7	54.8	54.8	55.7	55.7	56.6	57.7
19.7	36.8	39.8	41.7	45.2	45.9	48.1	51.4	52.9	55.8	56.9	56.9	57.8	57.8	58.7	59.6
20.2	38.0	41.6	43.6	47.2	47.9	50.3	54.2	55.9	58.8	59.9	59.9	60.8	60.8	61.7	63.0
20.5	38.6	42.2	44.2	47.8	48.6	50.9	54.8	56.6	59.4	60.5	60.5	61.4	61.4	62.3	63.7
20.8	39.3	42.9	44.9	48.6	49.3	51.7	55.6	57.3	60.2	61.3	61.3	62.2	62.2	63.0	64.4
21.7	41.1	44.7	46.8	50.4	51.2	53.9	57.8	59.6	62.4	63.5	63.5	64.4	64.4	65.3	66.7
22.6	42.7	46.4	48.6	52.2	52.9	55.7	59.8	61.5	64.4	65.5	65.5	66.5	66.5	67.4	68.6
23.2	43.3	47.6	49.9	53.7	54.4	57.2	61.3	63.0	66.0	67.2	67.2	68.2	68.2	69.0	70.4
23.7	45.7	49.6	52.1	55.8	56.6	59.3	63.4	65.2	68.7	69.8	69.8	70.8	70.8	71.7	73.0
23.8	46.9	51.6	54.1	58.4	59.2	62.2	66.3	68.3	72.0	73.5	73.5	74.5	74.5	75.4	76.8
24.2	47.4	52.1	54.7	59.3	60.0	63.4	67.5	69.8	73.5	75.0	75.0	76.0	76.0	76.9	78.3
24.3	48.4	53.2	55.9	61.2	61.9	65.3	69.4	72.0	76.3	77.8	77.8	78.8	78.8	79.7	81.0
24.3	48.7	53.6	56.4	61.9	62.8	66.8	71.3	74.0	78.3	79.8	79.8	80.8	80.8	81.6	83.0
24.3	49.2	54.1	56.9	62.5	63.4	67.4	71.9	74.7	79.0	81.0	81.0	82.0	82.0	82.9	84.6
24.3	49.4	54.7	57.6	63.3	64.2	68.2	73.0	75.9	80.3	82.5	82.6	83.6	83.6	84.5	86.3
24.5	50.2	55.8	58.7	64.5	65.8	69.8	75.0	78.0	82.6	85.1	85.3	86.8	86.8	87.8	89.9
24.5	50.8	56.4	59.3	65.2	66.7	70.8	76.3	79.4	84.1	86.6	86.8	88.3	88.3	89.4	91.6
24.5	50.8	56.6	59.4	65.3	66.8	70.9	76.8	80.1	85.4	87.9	88.0	89.6	89.6	90.8	93.5
24.8	51.2	56.9	60.0	66.0	67.5	71.7	77.9	81.5	86.8	89.3	89.4	91.4	91.4	92.5	95.6
24.8	51.2	56.9	60.0	66.3	67.8	71.9	78.3	81.7	87.1	89.8	89.9	91.9	91.9	93.0	96.6
24.8	51.2	56.9	60.0	66.3	68.0	72.2	78.5	82.7	87.5	90.4	90.5	92.6	92.6	93.9	98.0
24.8	51.2	56.9	60.0	66.3	68.0	72.2	78.5	82.3	87.5	90.9	91.0	93.4	93.4	94.8	99.1
24.8	51.2	56.9	60.0	66.3	68.0	72.2	78.5	82.3	87.5	90.9	91.0	93.4	93.4	94.8	99.9
24.8	51.2	56.9	60.0	66.3	68.0	72.2	78.5	82.3	87.5	90.9	91.0	93.4	93.4	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

JAN

REFERENCE FREQUENCY OF OBSERVANCE
BY HOUR OF OBSERVATION

6600-0600

16.7	29.6	32.5	34.1	37.3	38.1	40.6	43.1	44.2	45.3	46.7	48.7	47.9	47.9	48.8	50.0
16.7	30.0	32.8	34.4	37.6	38.3	40.9	43.4	44.7	45.8	47.1	47.1	48.4	48.4	49.3	50.5
17.1	31.4	34.1	35.7	39.1	39.8	42.4	45.3	46.5	47.6	49.0	49.0	50.2	50.2	51.1	52.4
17.2	31.5	34.2	35.9	39.2	40.0	42.6	45.4	46.7	47.8	49.1	49.1	50.4	50.4	51.2	52.5
17.6	31.9	34.6	36.2	39.6	40.3	42.9	45.8	47.0	48.1	49.5	49.5	50.7	50.7	51.6	52.9
17.7	32.0	34.7	36.4	39.7	40.4	43.1	45.9	47.1	48.3	49.6	49.6	50.9	50.9	51.7	53.0
18.7	33.6	36.4	38.0	41.3	42.1	44.7	47.5	48.8	49.9	51.2	51.2	52.5	52.5	53.3	54.6
18.7	34.1	37.0	38.6	41.9	42.7	45.3	48.1	49.4	50.5	51.9	51.9	53.1	53.1	54.0	55.2
19.9	36.2	39.2	40.8	44.2	44.9	47.6	50.6	52.0	53.2	54.6	54.6	55.8	55.8	56.7	57.9
20.7	38.1	41.1	42.6	46.2	46.9	49.6	53.0	54.3	55.6	56.9	56.9	58.2	58.2	59.1	60.3
21.7	39.7	42.7	44.4	48.0	48.8	51.6	55.3	56.7	57.9	59.3	59.3	60.7	60.7	61.7	63.3
22.0	40.1	43.3	45.4	49.3	50.0	52.9	56.6	58.2	59.6	60.9	60.9	62.3	62.3	63.4	65.0
22.0	40.2	43.4	45.5	49.4	50.1	53.0	56.7	58.3	59.7	61.0	61.0	62.4	62.4	63.5	65.1
23.0	41.8	45.2	47.3	51.2	52.0	55.0	59.1	60.7	62.0	63.4	63.4	64.8	64.8	65.9	67.6
23.9	42.9	46.3	48.4	52.4	53.1	56.1	60.2	61.8	63.3	64.6	64.6	66.0	66.0	67.2	69.2
24.1	43.2	46.5	48.6	53.0	53.7	56.7	60.9	62.7	64.3	65.6	65.6	67.0	67.0	68.2	70.2
24.3	43.9	47.3	49.6	54.1	54.8	58.1	62.3	64.0	66.0	67.4	67.4	68.7	68.7	70.0	71.7
24.8	44.9	48.3	50.6	55.2	56.0	59.6	63.8	65.9	68.2	70.0	70.0	71.3	71.3	72.6	74.3
25.2	45.3	49.7	51.4	56.3	57.1	60.7	64.9	67.1	69.5	71.2	71.2	72.6	72.6	73.8	75.6
25.7	46.0	49.9	52.4	57.6	58.3	62.3	66.5	69.1	72.0	73.7	73.7	75.1	75.1	76.4	78.2
25.8	47.0	51.0	53.5	58.8	59.8	64.6	69.0	71.8	74.7	77.0	77.0	78.4	78.4	79.8	81.5
25.8	47.5	51.5	54.1	59.4	60.5	65.5	69.9	72.7	75.9	78.8	78.8	80.1	80.1	81.6	83.6
26.3	48.6	53.1	55.6	61.4	62.5	67.5	72.0	74.8	78.3	81.3	81.3	82.6	82.6	84.1	86.4
26.3	49.4	54.0	57.1	62.8	63.9	68.9	73.3	76.2	79.7	83.0	83.0	84.5	84.5	86.1	88.5
26.4	49.8	54.5	57.6	63.3	64.9	69.9	74.9	77.9	81.9	85.7	85.7	87.6	87.6	89.2	92.1
26.4	49.8	54.6	57.6	63.6	65.4	70.5	75.7	79.2	83.4	87.3	87.3	89.2	89.2	90.8	93.9
26.7	50.2	55.1	58.4	64.5	66.3	71.3	76.6	80.1	84.4	88.5	88.5	90.4	90.4	92.5	95.7
26.7	50.2	55.1	58.4	64.6	66.4	71.5	76.7	80.4	84.9	89.2	89.2	91.3	91.3	93.4	96.9
26.7	50.2	55.1	58.4	64.6	66.4	71.5	76.7	80.5	85.2	89.8	89.8	92.3	92.3	94.7	98.3
26.7	50.2	55.1	58.4	64.6	66.4	71.5	76.7	80.5	85.2	89.8	89.8	92.7	92.7	95.2	99.1
26.7	50.2	55.1	58.4	64.6	66.4	71.5	76.7	80.5	85.2	89.8	89.8	92.7	92.7	95.3	100.0
26.7	50.2	55.1	58.4	64.6	66.4	71.5	76.7	80.5	85.2	89.8	89.8	92.7	92.7	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 306

2
JULY 1977
CLIMATOLOGY BRANCH
WAFB/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-81
TIN CITY AFS AK

73-81

JAN

THE FOLLOWING TABLE IS A SUMMARY OF THE
DATA FOR THE MONTH OF JANUARY 1977

0900-1100

21.6	26.6	27.6	29.2	31.9	32.3	34.6	35.6	36.4	37.4	38.1	38.2	39.8	40.1	40.9	41.7
21.6	26.8	27.7	29.3	32.1	32.4	34.8	35.8	36.5	37.5	38.2	38.3	40.0	40.2	41.1	41.6
22.4	27.7	28.9	30.5	33.2	33.5	35.9	37.4	38.1	39.2	40.0	40.1	41.8	42.1	42.9	43.6
22.7	28.1	29.2	30.8	33.7	34.0	36.4	37.9	38.6	39.7	40.4	40.6	42.3	42.5	43.4	44.1
22.7	28.1	29.2	30.8	33.7	34.0	36.4	37.9	38.6	39.7	40.4	40.6	42.3	42.5	43.4	44.1
23.4	28.9	30.0	31.6	34.4	34.8	37.1	38.0	39.3	40.4	41.4	41.6	43.3	43.5	44.5	45.4
24.2	30.1	31.2	32.8	35.6	36.0	38.5	40.0	40.7	41.8	42.8	42.9	44.6	44.9	45.9	46.7
24.7	30.6	31.7	33.3	36.3	36.6	39.1	40.6	41.4	42.5	43.5	43.6	45.4	45.6	46.6	47.6
28.0	34.0	35.3	36.9	40.2	40.6	43.2	45.0	45.9	47.1	48.1	48.2	49.9	50.2	51.2	52.2
30.0	36.4	37.6	39.2	42.5	42.9	45.6	47.7	48.6	50.1	51.0	51.2	53.0	53.3	54.4	55.4
31.6	38.0	39.2	40.0	44.1	44.5	47.3	49.7	50.6	52.2	53.1	53.3	55.1	55.4	56.5	57.5
32.1	38.5	39.7	41.4	44.8	45.1	48.1	50.7	51.5	53.1	54.1	54.3	56.1	56.4	57.5	58.8
32.2	38.6	39.8	41.6	44.9	45.3	48.2	50.8	51.7	53.3	54.3	54.4	56.2	56.5	57.6	58.9
33.7	40.1	41.3	43.4	46.7	47.1	50.1	52.7	53.5	55.1	56.1	56.2	58.1	58.3	59.6	61.0
34.6	41.3	42.5	44.6	48.0	48.3	51.3	53.9	54.9	56.6	57.7	57.8	59.8	60.2	61.4	63.0
35.3	42.2	43.4	45.5	49.0	49.3	52.3	54.9	55.9	57.6	59.1	59.2	61.2	61.7	62.9	64.5
35.5	42.9	44.3	46.4	50.1	50.4	53.5	56.1	57.1	59.1	60.3	60.4	62.5	63.1	64.2	65.6
36.3	44.0	45.4	47.5	51.4	51.8	55.6	58.2	59.2	61.3	62.5	62.8	65.0	65.5	67.0	68.6
36.3	44.5	45.9	48.0	52.2	52.5	56.5	59.1	60.0	62.3	63.5	63.7	66.0	66.5	68.1	69.7
37.1	46.4	47.7	49.8	54.4	54.9	58.9	61.9	63.0	65.6	67.1	67.3	69.5	70.0	71.6	73.6
37.5	47.0	48.5	50.7	55.2	55.9	60.3	63.4	64.5	67.2	68.9	69.2	71.5	72.0	73.6	75.6
37.7	47.6	49.3	51.5	56.6	57.2	61.8	65.7	67.1	70.0	72.4	72.6	75.0	75.5	77.1	79.2
38.3	48.8	50.6	52.9	58.1	58.7	63.9	68.2	69.7	72.9	75.6	75.8	78.2	78.7	81.4	82.7
38.5	49.8	51.7	54.1	59.7	60.4	66.2	71.0	72.5	76.2	79.0	79.4	82.0	82.5	84.2	86.7
38.7	50.6	52.5	55.2	60.8	61.5	67.4	72.3	73.7	77.7	80.6	81.1	84.1	84.6	86.3	89.3
39.0	51.0	53.0	55.7	61.3	62.0	67.9	73.1	74.8	79.3	82.2	82.7	86.1	86.8	88.8	92.2
39.0	51.5	53.6	56.4	62.1	62.9	68.8	74.1	75.8	80.4	83.7	84.2	87.9	88.8	91.4	94.9
39.0	51.5	53.6	56.4	62.1	62.9	68.8	74.2	76.0	80.5	83.8	84.3	88.3	89.1	91.7	95.8
39.0	51.5	53.6	56.4	62.3	63.0	68.9	74.4	76.3	80.9	84.7	85.8	90.1	91.1	93.8	98.4
39.1	51.7	53.8	56.5	62.4	63.1	69.1	74.5	76.4	81.1	85.1	86.2	90.8	91.7	94.6	99.4
39.1	51.7	53.8	56.5	62.4	63.1	69.1	74.5	76.4	81.1	85.3	86.4	91.0	92.0	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 811

CLIMATE CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1177 TIL CITY AFS AK

73-81

J44

PERIOD: 1 JAN 1973 TO 31 DEC 1973
FROM: 0000Z TO 2359Z

1200-1400

20.0	24.2	25.5	26.8	28.9	29.3	31.7	32.9	33.4	34.6	35.2	35.5	35.9	35.9	37.7	38.1
20.3	24.6	25.9	27.2	29.3	29.8	32.3	33.5	34.7	35.2	35.9	36.1	36.5	36.5	38.2	39.0
21.7	26.0	27.4	28.7	30.8	31.3	34.7	35.7	36.3	37.6	38.2	38.5	39.1	39.1	41.0	42.0
22.6	27.1	28.4	29.8	32.1	32.6	35.3	37.0	37.6	38.9	39.5	39.8	40.4	40.4	42.3	43.3
23.3	27.9	29.2	30.6	32.9	33.4	36.1	37.8	38.4	39.7	40.3	40.6	41.2	41.2	43.1	44.1
24.1	28.5	30.7	31.4	33.6	34.3	37.2	38.9	39.4	40.7	41.5	41.8	42.7	42.7	44.5	45.5
25.0	29.7	31.2	32.7	34.9	35.6	38.5	40.2	40.7	42.0	42.8	43.1	44.0	44.0	45.8	47.3
25.5	30.2	31.7	33.2	35.5	36.1	39.3	40.7	41.2	42.7	43.5	43.7	44.8	44.8	46.6	48.0
26.7	33.6	35.2	36.8	39.1	39.8	42.9	44.9	45.4	46.9	47.6	47.9	49.0	49.0	50.8	52.5
31.3	36.4	37.8	39.4	41.9	42.5	45.7	47.6	48.2	49.6	50.4	50.7	51.7	51.7	54.1	55.8
32.5	37.6	39.0	40.6	43.1	43.8	47.4	49.3	50.0	51.4	52.4	52.6	53.7	53.7	56.7	57.7
32.9	38.0	39.4	41.0	43.5	44.4	48.0	50.0	50.7	52.1	53.0	53.3	54.3	54.3	56.7	58.6
32.9	38.0	39.4	41.0	43.5	44.4	48.0	50.0	50.7	52.2	53.1	53.4	54.5	54.5	56.9	58.9
35.3	40.6	42.1	43.7	46.3	47.3	50.9	52.9	53.5	55.1	56.2	56.4	57.5	57.5	59.9	61.9
36.5	42.1	43.7	45.3	47.9	48.8	52.5	54.6	55.4	56.9	58.0	58.2	59.7	59.8	62.3	64.7
37.3	43.1	44.6	46.2	49.0	49.9	53.5	55.6	56.4	58.0	59.0	59.3	60.9	61.0	63.6	66.0
37.7	43.8	45.5	47.1	50.1	51.0	54.7	56.8	57.6	59.2	60.3	60.6	62.2	62.3	64.9	67.3
38.5	44.6	46.7	48.6	51.7	52.6	56.4	58.5	59.3	60.9	62.4	62.7	64.4	64.5	67.4	69.9
38.5	44.6	46.7	48.6	51.7	52.6	56.5	58.8	59.6	61.1	62.7	63.0	64.7	64.8	67.7	70.2
39.1	45.6	47.8	49.6	52.7	53.7	57.6	60.1	61.3	63.0	64.8	65.1	67.0	67.1	70.5	73.0
39.6	46.5	48.6	50.4	53.5	54.6	58.9	61.4	63.0	64.7	66.8	67.0	69.2	69.6	73.0	75.5
40.2	47.0	49.1	50.9	54.5	55.5	59.8	62.7	64.3	66.5	68.7	69.0	71.6	72.0	75.7	78.3
41.0	48.2	50.3	52.1	55.8	56.8	61.3	64.3	66.0	68.2	70.9	71.2	74.1	74.5	78.3	80.9
41.1	48.3	50.4	52.2	56.3	57.3	62.2	66.1	68.6	71.1	74.1	74.3	77.7	78.1	82.3	85.2
41.5	48.7	51.3	53.1	57.7	58.8	63.6	67.5	70.3	72.9	75.9	76.2	79.6	80.0	84.2	87.7
41.8	49.2	51.8	53.7	58.6	59.8	64.8	69.2	72.1	75.1	78.5	78.9	82.9	83.4	87.8	91.9
41.8	49.9	52.6	54.5	59.4	60.6	65.7	70.3	73.2	76.3	79.8	80.2	84.2	84.7	89.8	94.0
41.8	50.0	52.7	54.6	59.6	60.9	66.7	70.5	73.4	76.6	80.5	81.0	84.9	85.5	90.6	95.4
41.6	50.0	53.0	54.8	60.1	61.4	66.6	71.3	74.3	77.7	82.3	82.9	86.9	87.6	92.8	98.2
41.8	50.1	53.1	55.0	60.2	61.5	66.8	71.5	74.5	77.9	82.5	83.0	87.0	87.8	93.7	99.7
41.8	50.1	53.1	55.0	60.2	61.5	66.8	71.6	74.6	78.0	82.7	83.2	87.3	88.1	94.0	100.0
41.8	50.1	53.1	55.0	60.2	61.5	66.8	71.6	74.6	78.0	82.7	83.2	87.3	88.1	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 764

GLOBAL CLIMATOLOGY BRANCH
COMETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 IIN CITY AFS AK

73-81

JAN

PERCENT FREQUENCY OF OCCURRENCE
FROM ALL DAY OBSERVATIONS

1500-1700

19.2	22.6	23.8	24.9	26.3	26.4	27.2	29.4	29.5	30.6	30.7	31.3	32.0	32.0	33.0	33.9
19.5	23.5	25.2	26.3	27.8	28.0	29.7	30.9	31.1	32.1	32.3	32.8	33.5	33.5	34.5	35.4
20.4	24.4	26.1	27.1	28.7	28.8	30.6	32.6	32.8	33.9	34.0	34.5	35.2	35.2	36.3	37.1
20.6	25.0	26.8	27.8	29.4	29.5	31.3	33.3	33.5	34.5	34.7	35.2	35.9	35.9	37.7	37.8
21.2	26.6	28.3	29.4	30.9	31.1	32.8	35.4	35.6	36.6	36.8	37.3	38.0	38.0	39.0	39.9
21.6	27.1	28.8	29.9	31.4	31.6	33.3	35.9	36.1	37.1	37.3	37.8	38.7	38.7	39.7	40.8
21.9	27.6	29.4	30.6	32.1	32.3	34.7	36.6	36.8	38.0	38.2	38.7	39.6	39.6	40.6	42.1
23.3	29.0	30.7	32.0	33.5	33.7	35.4	36.3	38.2	39.4	39.6	40.1	41.1	41.1	42.1	43.7
26.3	32.3	34.0	35.2	37.0	37.1	38.9	41.5	41.6	42.8	43.0	43.5	44.6	44.6	45.6	47.3
29.7	36.1	38.0	39.2	40.9	41.1	42.8	45.4	45.6	46.8	47.0	47.5	48.5	48.5	49.9	51.0
30.2	36.6	38.7	39.9	41.6	41.8	43.7	46.3	46.5	47.7	47.8	48.4	49.4	49.4	50.8	52.5
30.4	37.0	39.2	40.4	42.1	42.3	44.2	46.8	47.0	48.2	48.4	48.9	49.9	49.9	51.3	53.0
30.6	37.3	39.6	40.8	42.5	42.7	44.6	47.2	47.3	48.5	48.7	49.2	50.3	50.3	51.6	53.4
34.7	41.8	44.0	45.3	47.3	48.0	49.9	52.7	52.8	54.1	54.2	54.7	55.8	55.8	57.2	58.9
35.6	43.2	45.4	47.0	49.1	49.7	51.6	54.6	54.7	56.0	56.3	56.8	58.2	58.2	59.6	61.8
36.1	43.7	45.9	47.5	49.6	50.3	52.2	55.1	55.3	56.5	56.8	57.3	58.7	58.7	60.1	62.3
36.4	44.9	47.2	48.7	50.8	51.5	53.7	56.6	56.8	58.0	58.4	58.9	60.3	60.3	61.8	64.2
37.1	45.8	48.0	50.1	52.8	53.7	56.1	59.1	59.2	60.4	61.0	61.7	63.0	63.0	64.6	67.0
37.7	46.3	48.5	50.6	53.5	54.4	56.8	59.8	59.9	61.1	61.7	62.3	63.7	63.7	65.3	67.7
37.8	46.8	49.1	51.3	55.3	56.1	59.2	62.2	62.3	63.9	64.4	65.1	66.5	66.5	68.0	70.6
38.0	47.0	49.2	51.6	55.8	56.6	60.4	64.6	64.8	66.3	67.0	67.7	69.4	69.4	71.0	73.6
38.2	47.2	49.4	51.8	56.6	57.5	61.7	66.0	66.7	68.9	70.3	71.0	73.1	73.1	74.8	77.4
39.0	48.2	50.8	53.4	58.4	59.2	63.4	67.7	68.4	70.6	72.0	72.7	74.8	74.8	76.5	79.3
39.2	49.2	51.8	54.4	59.4	60.3	64.6	69.3	70.5	72.7	74.4	75.1	77.4	77.4	79.3	82.0
39.2	49.6	52.7	55.8	61.7	62.7	67.2	72.5	73.7	76.3	78.6	79.3	81.9	82.0	83.9	87.0
39.2	49.7	53.0	56.1	62.2	63.2	67.7	73.4	74.6	77.9	81.2	81.9	85.3	85.5	87.6	91.0
39.2	49.7	53.0	56.5	62.7	63.7	68.2	74.1	75.3	78.6	81.9	82.6	86.5	86.7	89.5	93.1
39.2	49.7	53.0	56.5	62.7	63.7	68.2	74.4	76.2	79.4	82.9	83.8	87.7	87.9	90.8	94.8
39.2	49.9	53.2	56.6	63.4	64.4	68.9	75.6	77.4	80.8	84.8	85.7	90.2	90.3	93.6	98.4
39.2	49.9	53.2	56.6	63.4	64.4	68.9	75.6	77.4	80.8	84.8	85.7	90.2	90.3	93.9	98.8
39.2	49.9	53.2	56.6	63.4	64.4	68.9	75.6	77.4	80.8	85.1	86.0	90.7	90.8	94.5	100.0
39.2	49.9	53.2	56.6	63.4	64.4	68.9	75.6	77.4	80.8	85.1	86.0	90.7	90.8	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 579

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70171 TIN CITY AFS AK

73-75,78-81

JAN

PERCENTAGE OF OBSERVATIONS
FOR EACH CEILING VISIBILITY CATEGORY

1000-2000

19.1	28.7	29.9	31.2	34.6	35.0	37.6	39.3	39.9	41.2	42.0	42.0	42.5	42.5	42.9	43.7
19.1	29.1	30.6	31.8	35.7	36.1	38.6	40.3	41.2	42.3	43.1	43.1	43.5	43.5	43.9	44.8
19.7	30.1	31.6	32.9	36.7	37.2	39.7	41.4	42.2	43.3	44.2	44.2	44.6	44.6	45.0	45.9
19.7	30.4	31.8	33.1	36.9	37.4	39.9	41.6	42.3	43.5	44.4	44.4	44.8	44.8	45.2	46.1
19.7	30.4	31.8	33.3	37.2	37.6	40.1	42.0	42.7	43.9	44.8	44.8	45.2	45.2	45.6	46.5
19.7	30.8	32.3	33.8	37.6	38.0	40.6	42.5	43.1	44.4	45.2	45.2	45.6	45.6	46.1	46.9
20.4	31.4	32.9	34.4	38.2	38.6	41.2	43.1	43.7	45.0	45.9	45.9	46.3	46.3	46.7	48.2
21.3	32.1	33.5	35.0	38.9	39.3	41.8	43.7	44.4	45.6	46.5	46.5	46.9	46.9	47.3	48.8
22.3	33.3	34.8	36.3	40.3	40.8	43.5	45.4	46.1	47.3	48.2	48.2	48.6	48.6	49.0	50.5
23.6	37.2	38.6	40.1	44.2	44.6	47.3	49.3	49.9	51.2	52.0	52.0	52.4	52.4	52.9	54.4
25.1	38.9	40.3	41.8	46.1	46.7	49.5	51.4	52.0	53.3	54.1	54.1	54.6	54.6	55.0	56.5
25.1	38.9	40.3	41.8	46.1	46.7	49.5	51.4	52.0	53.3	54.1	54.1	54.6	54.6	55.0	56.5
25.1	38.9	40.3	41.8	46.1	46.7	49.5	51.4	52.0	53.3	54.1	54.1	54.6	54.6	55.0	56.5
27.6	41.6	43.9	45.6	50.3	51.0	53.7	55.6	56.3	57.5	58.4	58.4	58.8	58.8	59.2	60.7
29.1	43.7	46.1	47.8	52.4	53.1	55.8	57.7	58.4	59.7	60.5	60.5	60.9	60.9	61.4	62.8
29.5	44.4	47.1	48.8	53.5	54.1	56.9	58.8	59.4	60.7	61.6	61.6	62.0	62.0	62.4	63.9
29.9	45.4	48.2	50.3	55.2	55.8	58.6	60.5	61.1	62.4	63.3	63.3	63.7	63.7	64.1	65.6
30.1	47.1	49.9	52.4	57.7	58.4	61.6	63.5	64.1	65.6	66.7	66.7	67.1	67.1	67.5	69.0
30.1	47.6	50.3	52.9	58.2	58.8	62.4	65.0	65.6	67.3	68.2	68.2	68.6	68.6	69.0	70.5
30.6	48.8	51.6	54.6	60.3	61.1	65.2	67.7	68.4	70.1	70.9	70.9	71.3	71.3	71.8	73.5
31.0	50.1	52.9	56.3	62.0	63.1	68.2	71.1	71.8	74.1	75.2	75.2	75.6	75.6	76.0	77.7
31.0	50.3	53.3	56.7	63.1	64.1	69.6	72.8	73.7	76.0	77.5	77.5	77.9	78.3	78.8	80.5
31.0	51.0	54.1	57.7	64.1	65.2	70.7	74.3	75.2	77.5	80.0	80.3	80.7	81.1	81.5	83.2
31.0	51.8	55.4	59.0	65.4	66.9	72.6	76.2	77.1	80.0	83.7	83.9	84.3	84.7	85.1	87.3
31.2	52.4	56.1	60.3	66.7	68.4	74.1	77.7	78.6	81.5	85.4	85.6	86.2	86.6	87.5	90.0
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.2	80.0	83.4	87.5	87.7	88.3	88.7	90.0	93.0
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.2	80.0	83.7	88.1	88.3	89.4	90.0	91.5	94.5
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.4	80.9	84.5	89.0	89.2	90.2	90.9	92.8	96.0
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.6	81.1	84.7	89.2	89.4	91.1	91.7	94.1	97.5
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.6	81.1	84.7	89.2	89.4	91.9	92.6	94.9	98.7
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.6	81.1	84.7	89.2	89.4	91.9	92.6	94.9	99.4
31.2	52.4	56.1	60.3	66.7	68.8	74.5	79.6	81.1	84.7	89.2	89.4	91.9	92.6	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1170 TTN CITY AFS AK

74-81

JAN

FOR RELEASE PRELIMINARY OF COURSE
NOT FOR DISTRIBUTION

2100-2300

19.2	32.1	33.3	34.3	37.3	36.4	41.1	44.2	45.7	46.9	48.0	48.0	49.2	49.2	50.2	51.6
19.2	32.5	33.6	34.6	37.9	39.1	41.7	44.9	45.7	47.7	48.8	48.8	50.0	50.0	51.0	52.6
19.2	32.9	34.1	35.1	38.4	39.6	42.2	45.7	46.5	48.5	49.7	49.7	50.8	50.8	51.8	53.5
19.4	33.1	34.3	35.3	38.6	39.7	42.4	45.9	46.7	48.7	49.8	49.8	51.0	51.0	52.0	53.6
19.4	33.6	34.8	35.8	39.1	40.2	42.9	46.4	47.2	49.2	50.7	50.7	51.8	51.8	52.8	54.5
19.4	33.6	34.8	35.8	39.1	40.2	42.9	46.4	47.2	49.2	50.7	50.7	51.8	51.8	52.8	54.5
20.4	34.8	35.9	36.9	40.2	41.4	44.0	47.5	48.3	50.3	51.8	51.8	53.0	53.0	54.0	55.6
20.5	34.9	36.1	37.1	40.4	41.6	44.2	47.7	48.5	50.5	52.0	52.0	53.1	53.1	54.1	55.6
22.0	37.4	38.6	39.6	42.9	44.2	46.9	50.5	51.3	53.3	54.8	54.8	56.0	56.0	57.0	58.6
22.5	39.2	40.4	41.4	44.9	46.2	48.8	52.6	53.5	55.6	57.1	57.1	58.3	58.3	59.3	60.9
23.0	40.4	41.7	42.9	46.4	47.8	50.8	55.0	55.8	57.9	59.6	59.6	60.8	60.8	61.9	63.6
23.5	40.9	42.2	43.4	46.9	48.3	51.3	55.5	56.3	58.4	60.1	60.1	61.3	61.3	62.4	64.1
23.8	41.2	42.5	43.7	47.5	49.0	52.0	56.1	57.0	59.1	60.8	60.8	61.9	62.1	63.1	64.7
24.5	43.5	45.4	46.5	51.2	52.6	55.8	59.9	60.8	62.9	64.6	64.6	65.7	65.9	66.9	68.5
25.2	45.5	47.4	48.5	53.3	54.8	57.9	62.1	62.9	65.1	66.7	66.7	67.9	68.0	69.0	70.7
25.3	45.9	47.8	49.3	54.1	55.6	58.8	62.9	63.7	65.9	67.5	67.5	68.7	68.9	69.9	71.5
25.8	47.4	49.5	51.0	56.0	57.5	60.6	64.7	65.6	67.7	69.4	69.4	70.5	70.7	71.7	73.3
26.2	49.2	51.8	53.3	58.3	59.8	63.4	68.0	69.0	71.2	72.8	72.8	74.0	74.2	75.2	76.8
26.2	49.3	53.7	54.5	59.6	61.1	64.7	69.5	70.7	72.8	74.5	74.5	75.7	75.8	76.8	78.5
26.3	49.5	53.1	55.3	60.4	62.3	65.9	71.4	72.7	74.8	76.5	76.5	77.6	77.8	78.8	80.5
26.3	49.8	53.5	55.8	61.1	62.9	67.2	72.8	74.2	76.7	78.5	78.5	80.0	80.1	81.1	82.8
26.3	50.3	54.3	57.0	63.1	64.9	69.5	75.5	76.8	79.5	81.5	81.5	83.1	83.3	84.3	85.9
26.5	51.0	55.1	57.8	63.9	65.7	70.5	76.5	77.8	80.5	82.6	82.6	84.3	84.4	85.4	87.1
26.7	51.7	56.0	58.8	65.2	67.4	72.2	78.1	79.5	82.3	84.9	84.9	87.1	87.3	88.2	90.4
27.0	52.2	56.5	59.3	66.1	68.7	73.5	79.6	81.0	83.9	87.3	87.3	89.7	89.9	90.9	93.5
27.0	52.2	56.5	59.3	66.2	68.9	73.8	80.5	81.8	84.9	88.6	88.6	91.2	91.4	92.5	95.4
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.8	85.9	89.6	89.6	92.2	92.4	93.5	96.4
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.9	86.4	90.1	90.1	92.7	92.9	94.4	97.4
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.9	86.4	90.2	90.4	93.7	93.9	95.5	98.5
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.9	86.4	90.2	90.4	93.9	94.0	95.9	99.2
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.9	86.4	90.2	90.4	93.9	94.0	95.9	99.7
27.0	52.2	56.5	59.4	66.7	69.4	74.5	81.5	82.9	86.4	90.2	90.4	93.9	94.0	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 604

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TTN CITY AFS AK

73-81

JAN

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM 1000 TO 100000

ALL

18.5	27.9	29.8	31.1	33.9	34.5	36.7	38.8	39.7	41.4	42.3	42.4	43.5	43.5	44.4	45.5
18.6	28.2	31.2	31.5	34.4	35.1	37.3	39.4	40.3	42.0	43.0	43.1	44.1	44.2	45.1	46.2
19.2	29.2	31.2	32.5	35.4	36.1	38.4	40.9	41.7	43.5	44.5	44.6	45.7	45.7	46.7	47.8
19.4	29.5	31.5	32.8	35.8	36.4	38.7	41.2	42.1	43.9	44.8	44.9	46.0	46.1	47.0	48.2
19.7	29.9	32.0	33.3	36.3	36.9	39.2	41.8	42.7	44.5	45.5	45.6	46.7	46.7	47.7	48.8
20.0	30.3	32.4	33.7	36.7	37.4	39.7	42.3	43.2	44.9	46.0	46.1	47.2	47.3	48.3	49.4
20.8	31.5	33.6	35.0	38.0	38.6	41.0	43.5	44.4	46.2	47.3	47.4	48.5	48.6	49.6	50.9
21.1	32.0	34.1	35.5	38.5	39.1	41.5	44.1	45.0	46.8	47.8	47.9	49.1	49.2	50.1	51.5
23.1	34.6	36.7	38.1	41.2	41.9	44.3	47.1	48.0	49.9	50.9	51.1	52.2	52.3	53.3	54.7
24.8	37.0	39.2	40.7	43.8	44.5	47.0	49.9	50.8	52.7	53.8	53.9	55.1	55.2	56.3	57.7
25.8	38.4	40.7	42.2	45.4	46.1	48.8	52.0	52.9	54.9	56.7	56.1	57.3	57.4	58.5	60.0
26.0	38.8	41.1	42.7	46.0	46.7	49.5	52.6	53.6	55.6	56.7	56.8	58.1	58.1	59.3	60.9
26.2	39.0	41.4	43.0	46.3	47.0	49.8	52.9	53.9	55.9	57.0	57.1	58.4	58.4	59.6	61.2
28.0	41.4	43.9	45.6	49.1	49.9	52.8	56.0	57.0	59.0	60.1	60.2	61.5	61.5	62.7	64.4
29.1	43.0	45.5	47.3	50.9	51.7	54.5	57.8	58.9	60.9	62.1	62.2	63.6	63.7	64.9	66.6
29.5	43.8	46.3	48.2	51.9	52.7	55.6	58.9	60.0	62.1	63.3	63.4	64.8	64.9	66.1	67.9
29.9	45.0	47.6	49.5	53.4	54.2	57.2	60.5	61.6	63.8	65.0	65.1	66.6	66.7	67.9	69.7
30.3	46.1	49.0	51.1	55.3	56.1	59.5	62.9	64.1	66.4	67.8	68.0	69.4	69.6	70.9	72.7
30.5	46.5	49.6	51.7	56.0	56.8	60.4	63.9	65.2	67.6	69.0	69.1	70.6	70.7	72.0	73.8
30.9	47.5	50.6	52.9	57.6	58.5	62.3	66.0	67.5	70.2	71.7	71.9	73.3	73.5	74.9	76.8
31.1	48.0	51.2	53.7	58.5	59.5	63.9	67.9	69.6	72.4	74.1	74.2	75.9	76.0	77.4	79.3
31.2	48.5	51.8	54.3	59.5	60.5	65.1	69.4	71.2	74.3	76.4	76.5	78.3	78.5	79.9	82.0
31.6	49.3	52.9	55.5	60.7	61.8	66.4	71.0	72.8	76.0	78.4	78.6	80.4	80.6	82.1	84.2
31.7	50.0	53.7	56.4	61.9	63.1	68.0	72.9	74.9	78.3	81.1	81.3	83.3	83.6	85.2	87.5
31.9	50.5	54.4	57.3	63.0	64.4	69.4	74.5	76.6	80.3	83.3	83.5	85.8	86.1	87.7	90.6
32.0	50.7	54.7	57.6	63.4	64.9	70.0	75.5	77.7	81.9	85.1	85.4	87.9	88.2	90.1	93.2
32.1	51.0	55.0	58.0	64.0	65.5	70.7	76.3	78.6	82.8	86.2	86.5	89.2	89.6	91.8	95.1
32.1	51.0	55.0	58.0	64.1	65.7	70.8	76.6	79.7	83.3	86.9	87.1	90.0	90.3	92.6	96.3
32.1	51.0	55.1	58.1	64.3	65.9	71.0	76.9	79.4	83.8	87.7	88.1	91.3	91.6	94.1	98.1
32.1	51.1	55.1	58.1	64.3	65.9	71.0	76.9	79.5	83.9	87.8	88.2	91.7	92.1	94.8	99.1
32.1	51.1	55.1	58.1	64.3	65.9	71.0	76.9	79.5	83.9	87.9	88.3	91.8	92.2	95.7	99.9
32.1	51.1	55.1	58.1	64.3	65.9	71.0	76.9	79.5	83.9	87.9	88.3	91.8	92.2	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5606

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701173 TTN CITY AFS AK

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 1000 TO 10000 FEET

0000-0200

21.4	36.9	42.4	43.1	45.9	47.0	51.0	53.6	54.9	57.7	61.5	61.5	64.1	64.1	64.7	65.5
21.8	39.8	43.4	44.2	47.0	48.1	52.1	54.7	56.0	58.8	62.8	62.8	65.4	65.4	65.9	67.2
21.8	40.4	44.0	44.8	47.5	48.6	52.6	55.2	56.6	59.3	64.0	64.0	66.6	66.6	67.2	68.4
21.8	40.8	44.4	45.2	47.9	49.0	53.0	55.6	57.0	59.8	64.4	64.4	67.0	67.0	67.6	68.8
21.8	40.8	44.4	45.2	47.9	49.0	53.0	55.6	57.0	59.8	64.4	64.4	67.0	67.0	67.6	68.8
22.3	41.2	44.8	45.7	48.5	49.6	53.6	56.3	57.7	60.4	65.4	65.4	68.0	68.0	68.5	69.8
22.4	41.6	45.2	46.2	48.9	50.0	54.0	56.7	58.1	60.9	65.8	65.8	68.4	68.4	69.0	70.2
22.4	41.8	45.5	46.4	49.2	50.3	54.3	57.0	58.4	61.1	66.1	66.1	68.7	68.7	69.2	70.5
22.5	42.2	46.2	47.1	49.9	51.1	55.4	58.1	59.5	63.0	68.0	68.0	71.0	71.0	71.8	73.1
22.7	42.6	46.7	48.1	51.2	52.5	56.9	59.6	61.0	64.7	69.8	69.8	72.8	72.8	73.6	74.9
22.7	43.0	47.1	48.6	52.2	53.3	57.7	60.4	61.8	65.5	70.6	70.6	73.6	73.6	74.5	75.7
22.7	43.0	47.1	48.6	52.2	53.4	57.8	60.6	62.0	65.7	70.7	70.7	74.0	74.0	75.3	76.2
22.7	43.0	47.1	48.6	52.2	53.6	58.0	60.7	62.1	65.8	70.9	70.9	74.2	74.2	75.1	76.4
22.8	43.7	47.8	49.3	53.0	54.4	58.8	61.5	62.9	66.9	72.0	72.0	75.3	75.3	76.4	77.6
22.8	44.9	49.2	50.7	54.9	56.3	60.7	63.5	64.8	68.8	73.9	73.9	77.2	77.2	78.3	79.5
22.8	45.1	49.5	51.0	55.2	56.6	61.0	63.7	65.1	69.1	74.2	74.2	77.5	77.5	78.6	79.8
23.2	45.6	50.0	51.5	56.0	57.4	61.8	64.6	65.9	69.9	75.0	75.0	78.3	78.3	79.4	80.6
23.4	47.0	51.8	53.4	58.2	59.6	64.0	67.2	68.5	72.7	78.0	78.0	81.3	81.3	82.4	83.7
23.4	47.0	51.9	53.7	58.7	60.0	64.6	67.7	69.1	73.4	78.7	78.7	82.0	82.0	83.1	84.3
23.6	47.3	52.2	54.0	59.1	60.4	65.0	68.1	69.5	73.8	79.1	79.1	82.4	82.4	83.5	84.9
23.6	47.5	52.5	54.3	59.3	60.7	65.2	68.5	70.1	74.3	79.8	79.8	83.4	83.4	84.5	86.1
23.6	47.5	52.6	54.5	59.9	61.3	66.1	69.4	71.3	75.5	81.2	81.2	85.0	85.0	86.1	88.3
23.6	47.7	52.7	54.7	60.0	61.4	66.2	69.5	71.4	75.7	81.9	81.9	85.7	85.7	86.8	89.0
23.6	47.9	53.0	55.1	60.9	62.4	67.6	70.9	72.8	77.1	83.2	83.2	87.1	87.1	88.3	90.8
24.0	48.4	53.4	55.5	61.3	62.8	68.0	71.7	73.6	78.0	84.2	84.2	88.0	88.0	89.3	92.2
24.0	48.4	53.6	55.6	61.4	62.9	68.1	71.8	73.8	78.7	84.9	84.9	88.7	88.7	90.0	93.1
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.1	85.3	85.3	89.1	89.1	90.4	93.5
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.1	85.7	85.7	89.6	89.6	90.8	94.2
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.1	85.9	85.9	89.8	89.8	91.1	94.9
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.3	86.0	86.0	90.0	90.0	91.8	96.0
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.3	86.0	86.0	90.0	90.0	92.2	97.8
24.0	48.4	53.6	55.6	61.4	62.9	68.1	72.3	74.2	79.3	86.0	86.0	90.0	90.0	92.3	100.0

TOTAL NUMBER OF OBSERVATIONS 728

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TTN CITY AFS AK

73-81

FLS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR OF OBSERVATION

1300-1500

20.1	38.9	41.8	43.0	46.2	47.4	51.1	53.4	54.8	58.6	61.0	61.0	62.7	63.0	63.6	64.4
20.5	40.2	43.1	44.3	47.5	48.7	52.4	54.8	56.1	59.9	62.3	62.3	64.0	64.3	64.9	65.7
20.5	40.9	43.8	45.0	48.1	49.3	53.0	55.4	56.7	60.8	63.4	63.4	65.3	65.6	66.3	67.1
20.5	40.9	43.8	45.0	48.1	49.3	53.3	55.7	57.0	61.1	63.6	63.6	65.6	65.9	66.5	67.3
20.8	41.3	44.2	45.4	48.5	49.7	53.7	56.1	57.4	61.5	64.0	64.0	66.0	66.3	66.9	67.7
21.3	41.8	44.7	45.9	49.2	50.4	54.4	57.0	58.3	62.6	65.1	65.1	67.1	67.3	68.0	68.8
21.6	42.2	45.1	46.3	49.6	50.8	54.8	57.4	58.7	63.0	65.5	65.5	67.5	67.7	68.4	69.2
21.6	42.5	45.4	46.6	49.9	51.1	55.0	57.7	59.0	63.2	65.7	65.7	67.7	68.0	68.7	69.4
22.0	43.0	45.9	47.1	50.5	51.7	55.8	58.5	59.8	64.3	67.2	67.2	69.6	69.8	70.6	71.7
22.0	43.3	46.4	47.8	51.3	52.5	57.0	59.7	61.0	65.9	68.9	68.9	71.3	71.6	72.9	73.9
22.0	43.4	46.8	48.3	51.9	53.0	57.5	60.2	61.6	66.5	69.6	69.6	72.0	72.2	73.4	74.5
22.1	43.7	47.1	48.5	52.2	53.4	58.1	60.7	62.2	67.2	70.4	70.4	73.0	73.3	74.5	75.5
22.0	43.7	47.1	48.5	52.2	53.4	58.1	60.7	62.2	67.2	70.4	70.4	73.0	73.3	74.5	75.5
22.2	44.3	47.8	49.2	53.0	54.2	58.9	61.5	63.0	68.5	71.7	72.0	74.3	74.6	76.1	77.1
22.4	44.8	48.4	50.0	54.4	55.6	60.2	62.8	64.3	69.8	73.0	73.3	75.7	75.9	77.4	78.4
22.4	45.0	48.5	50.1	54.5	55.7	60.3	63.1	64.6	70.1	73.3	73.5	76.1	76.3	77.8	78.8
22.5	45.4	49.3	50.9	55.6	56.7	61.4	64.2	65.6	71.2	74.3	74.6	77.1	77.4	78.8	79.9
22.5	46.0	50.3	51.9	56.5	57.7	62.3	65.3	66.8	72.6	75.8	76.1	78.7	79.0	80.4	81.5
22.5	46.7	50.9	52.5	57.3	58.6	63.2	66.3	67.7	73.7	76.9	77.1	79.8	80.0	81.5	82.5
22.5	47.1	51.6	53.2	58.1	59.4	64.3	67.3	68.8	74.7	77.9	78.2	80.8	81.1	82.5	83.7
22.5	47.6	52.1	53.8	58.7	60.1	65.5	68.5	70.5	76.5	80.0	80.3	83.1	83.3	84.8	86.1
22.6	48.1	52.6	54.5	59.5	60.8	66.3	69.3	71.4	77.6	81.6	81.9	85.1	85.3	86.9	88.2
22.8	48.5	53.2	55.0	60.1	61.4	66.8	70.1	72.2	78.4	82.9	83.2	86.6	86.9	88.5	89.8
22.9	48.9	53.7	55.6	60.7	62.0	67.5	70.4	73.0	79.2	83.7	84.0	87.6	87.8	89.6	90.9
22.9	48.9	53.7	55.7	61.0	62.3	67.7	71.3	73.4	79.8	84.3	84.5	88.1	88.4	90.1	91.4
22.9	48.9	53.7	55.7	61.0	62.3	67.7	71.3	73.5	80.8	85.3	85.6	89.3	89.6	91.4	92.7
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	85.7	86.0	89.7	89.9	91.5	93.1
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	86.5	86.8	90.7	91.0	93.0	94.4
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	86.5	86.8	90.9	91.1	93.4	95.5
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	86.6	86.9	91.7	91.9	94.3	96.4
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	86.6	86.9	91.7	91.9	94.7	98.1
23.0	49.1	53.8	55.8	61.1	62.4	67.9	71.6	73.8	81.1	86.6	86.9	91.7	91.9	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 756

2
GLOBAL CLIMATOLOGY BRANCH
USAFETC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TFW CITY AFS AK

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-1800

27.5	37.7	47.7	41.5	44.4	45.1	48.0	50.0	51.7	54.6	57.3	57.4	59.1	59.4	60.8	61.6
27.8	38.1	41.1	41.9	44.8	45.5	48.4	50.4	52.1	55.0	57.8	57.9	59.7	59.9	61.4	62.2
28.6	39.3	42.3	43.3	46.2	46.6	49.9	51.9	53.6	56.7	59.7	59.8	61.6	61.9	63.4	64.3
28.6	39.3	42.3	43.3	46.2	46.6	49.9	51.9	53.6	56.7	59.7	59.8	61.6	61.9	63.4	64.3
28.7	39.4	42.5	43.4	46.3	47.0	50.0	52.0	53.7	57.1	60.1	60.2	62.0	62.3	63.9	64.7
29.0	39.7	42.7	43.8	46.8	47.6	50.9	52.9	54.6	58.1	61.0	61.1	63.0	63.2	64.7	65.6
29.5	40.2	43.4	44.4	47.5	48.3	51.6	53.6	55.7	58.7	61.6	61.8	63.6	63.9	65.3	66.3
29.8	40.6	43.8	44.8	47.9	48.7	52.0	54.0	55.7	59.1	62.1	62.2	64.0	64.3	65.7	66.7
30.6	41.7	44.8	45.9	48.9	49.7	53.2	55.2	57.1	61.0	64.2	64.3	66.3	66.5	68.1	69.3
30.8	42.1	45.2	46.3	49.5	50.3	53.8	55.8	57.9	62.0	65.3	65.6	67.7	68.0	69.7	70.9
31.0	42.5	45.8	46.8	50.1	50.9	54.8	56.7	59.3	63.5	67.1	67.3	69.4	69.7	71.4	72.6
31.0	42.5	45.8	47.0	50.3	51.1	54.9	56.9	59.4	63.9	67.5	67.9	70.0	70.2	72.1	73.4
31.0	42.5	45.8	47.0	50.4	51.2	55.0	57.0	59.5	64.0	67.6	68.0	70.1	70.4	72.2	73.5
31.6	43.1	46.4	47.6	51.1	51.9	55.7	57.8	60.6	65.3	69.2	69.7	71.8	72.1	73.9	75.3
31.6	43.4	46.7	48.0	51.5	52.2	56.5	58.7	61.6	66.5	70.5	71.0	73.4	73.7	75.5	76.9
31.6	43.8	47.1	48.4	51.9	52.8	57.1	60.1	63.1	68.3	72.4	72.9	75.3	75.5	77.4	78.7
31.9	44.4	48.1	49.5	53.3	54.2	58.6	61.5	64.6	69.7	73.8	74.3	76.7	77.0	78.8	80.2
32.1	45.1	48.8	50.3	54.2	55.2	59.7	62.6	65.7	71.0	75.1	75.7	78.0	78.3	80.2	81.5
32.4	45.6	49.3	50.8	54.8	55.7	60.2	63.1	66.3	71.7	75.8	76.3	78.8	79.1	81.1	82.7
32.4	45.9	49.9	51.6	55.7	56.6	61.4	64.3	67.5	72.9	77.1	77.6	80.2	80.4	82.4	84.3
32.7	47.1	51.1	52.8	56.9	57.8	62.6	65.6	68.8	74.2	78.6	79.1	81.6	81.9	83.9	85.7
32.8	47.6	51.6	53.4	57.9	59.0	63.8	66.8	70.1	75.5	80.3	80.8	83.3	83.6	85.6	87.6
32.8	47.8	51.7	53.6	58.1	59.1	63.9	67.2	70.5	75.9	81.1	81.6	84.5	84.9	86.9	88.9
33.1	48.0	52.7	53.8	58.3	59.4	64.3	67.7	71.0	76.5	82.1	82.7	85.6	86.0	88.0	89.9
33.1	48.0	52.0	53.8	58.5	59.5	64.4	68.5	71.8	77.2	83.1	83.6	87.0	87.4	89.6	91.5
33.2	48.3	52.2	54.1	58.7	60.1	65.2	69.6	72.9	78.4	84.4	84.9	88.4	88.8	90.9	93.0
33.2	48.3	52.2	54.1	58.7	60.1	65.2	69.6	72.9	78.6	84.7	85.2	88.6	89.0	91.3	93.4
33.2	48.3	52.2	54.1	58.7	60.1	65.2	69.6	72.9	78.8	85.2	85.7	89.4	89.8	92.1	94.4
33.2	48.3	52.2	54.1	58.7	60.1	65.5	69.8	73.1	79.1	85.7	86.2	90.1	90.5	92.7	95.9
33.2	48.3	52.2	54.1	58.7	60.1	65.5	69.8	73.1	79.1	85.8	86.4	90.7	91.1	93.5	97.5
33.2	48.3	52.2	54.1	58.7	60.1	65.6	70.0	73.3	79.2	86.1	86.6	91.0	91.4	94.2	98.4
33.2	48.3	52.2	54.1	58.7	60.1	65.6	70.0	73.3	79.2	86.1	86.6	91.0	91.4	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 756

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TTN CITY AFS AK

73-81

FE8

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 100% OF RELATION

0900-1100

29.3	36.2	37.9	39.0	41.4	42.0	44.2	45.1	46.3	47.5	49.6	49.7	51.6	52.1	53.3	55.0
37.1	37.0	38.7	39.9	42.3	43.0	45.4	46.3	47.5	48.7	50.8	50.9	52.8	53.3	54.6	56.0
31.7	38.9	40.6	41.8	44.2	44.8	47.3	48.3	49.7	51.5	53.6	53.7	55.6	56.1	57.4	59.4
31.7	39.0	40.7	41.9	44.3	45.0	47.5	48.4	49.9	51.6	53.7	53.8	55.7	56.2	57.6	59.5
31.7	39.1	40.8	42.0	44.4	45.1	47.6	48.5	50.0	51.7	53.8	54.3	55.8	56.4	57.7	59.7
32.1	39.8	41.5	42.7	45.1	46.2	48.8	49.9	51.6	53.4	55.6	55.7	57.8	58.4	59.9	61.9
33.0	40.8	42.7	44.0	46.4	47.5	50.1	51.2	52.9	54.9	57.2	57.3	59.5	60.1	61.7	63.7
33.3	41.2	43.1	44.4	46.8	47.9	50.5	51.6	53.4	55.4	57.7	57.8	60.1	60.6	62.3	64.3
34.6	43.0	45.1	46.7	49.1	50.1	52.8	53.8	55.7	58.1	60.3	60.6	63.0	63.7	65.4	67.8
35.7	44.2	46.3	47.9	50.3	51.3	54.1	55.2	57.3	59.9	62.3	62.6	65.3	65.9	67.8	70.2
36.1	44.8	46.9	48.7	51.1	52.1	54.9	56.1	58.5	61.4	63.8	64.1	66.7	67.4	69.2	71.6
36.2	45.0	47.1	48.9	51.3	52.4	55.4	56.6	59.0	61.9	64.3	64.6	67.2	67.9	69.8	72.1
36.2	45.0	47.1	48.9	51.3	52.4	55.4	56.6	59.0	61.9	64.5	64.7	67.4	68.0	69.9	72.3
36.5	45.5	47.7	49.6	52.0	53.1	56.4	57.7	60.3	63.3	65.8	66.0	68.8	69.6	72.1	74.7
37.3	46.8	49.1	50.9	53.4	54.9	58.2	59.7	62.5	65.4	68.0	68.3	71.1	72.3	74.8	77.3
37.5	47.1	49.3	51.2	53.8	55.3	58.6	60.2	63.0	65.9	68.6	68.8	71.8	72.7	75.5	78.2
37.5	47.1	49.3	51.2	53.8	55.3	58.6	60.2	63.0	65.9	68.6	68.8	71.8	72.7	75.5	78.2
38.3	48.3	50.7	52.7	55.3	56.8	60.2	62.2	65.1	68.3	71.0	71.2	74.1	75.1	77.9	80.9
38.5	48.4	50.8	52.6	55.4	56.9	60.3	62.3	65.3	68.4	71.1	71.4	74.3	75.2	78.0	81.0
38.5	48.5	50.9	52.9	55.6	57.0	60.6	62.9	65.8	69.1	72.4	72.7	76.3	76.9	80.2	83.6
38.6	48.8	51.3	53.3	56.0	57.4	61.3	63.3	66.3	69.6	73.2	73.5	76.8	77.7	81.2	84.5
38.7	49.1	51.6	53.6	56.4	57.8	61.5	64.1	67.4	70.7	74.3	74.5	77.9	78.8	82.6	86.3
38.9	49.5	52.0	54.0	56.8	58.2	62.2	64.9	68.2	71.6	75.5	75.7	79.0	80.0	84.0	87.8
38.9	49.6	52.1	54.1	56.9	58.4	62.6	65.4	68.7	72.1	76.1	76.4	79.7	80.6	84.6	89.0
38.9	50.0	52.5	54.6	57.7	59.2	63.4	66.6	69.9	73.5	77.7	78.0	81.6	82.5	86.5	90.8
38.9	50.4	52.9	55.0	58.4	59.8	64.1	67.4	70.7	74.3	78.6	78.9	82.5	83.6	87.7	92.2
39.3	50.8	53.3	55.4	57.0	60.5	64.7	68.0	71.5	75.2	80.1	80.4	84.0	85.0	89.5	94.0
39.3	50.9	53.4	55.6	59.3	60.9	65.1	68.6	72.0	75.7	80.6	80.9	84.6	85.7	90.2	94.8
39.3	50.9	53.4	55.6	59.3	60.9	65.1	68.6	72.1	76.1	81.3	81.7	85.4	86.5	91.4	96.8
39.4	51.1	53.6	55.7	59.4	61.0	65.3	68.7	72.3	76.3	81.4	81.8	85.7	86.9	92.2	98.7
39.4	51.1	53.6	55.7	59.4	61.0	65.3	68.7	72.3	76.3	81.4	81.8	85.7	86.9	92.2	99.1
39.4	51.1	53.6	55.7	59.4	61.0	65.3	68.7	72.3	76.3	81.4	81.8	85.7	86.9	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 754

USAF ETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17170 TIN CITY AFS AK

73-81

FGP

PERIOD: 1 APR 1960 TO 30 APR 1960
FROM: HQ USAFETAC

1700-1400

31.7	36.3	39.0	41.1	43.4	44.4	45.9	47.4	47.8	48.5	50.4	50.8	52.3	52.7	54.2	55.8
32.4	37.3	40.0	42.0	44.3	45.7	47.2	48.6	49.1	49.7	51.9	52.3	53.8	54.2	55.8	57.7
34.0	39.0	41.9	43.9	46.3	47.7	49.3	51.2	51.6	52.6	55.0	55.4	56.9	57.3	58.9	61.0
34.0	39.2	42.0	44.0	46.5	47.8	49.5	51.4	51.8	52.7	55.1	55.6	57.0	57.5	59.1	61.1
34.4	39.6	42.4	44.4	47.0	48.4	50.1	52.0	52.4	53.5	56.0	56.4	57.9	58.3	59.9	61.9
35.2	40.7	43.5	45.5	48.1	49.6	51.4	53.5	54.1	55.1	57.7	58.1	59.6	60.2	62.1	65.2
35.8	41.2	44.0	46.1	48.6	50.1	51.9	54.5	55.0	56.1	58.7	59.1	60.6	61.1	63.0	66.1
35.9	41.3	44.2	46.2	48.8	50.3	52.0	54.6	55.1	56.2	58.8	59.2	60.7	61.2	63.1	66.3
37.1	43.2	46.2	48.2	50.8	52.3	54.2	57.0	57.7	58.9	61.9	62.3	64.2	64.9	67.2	70.5
37.7	43.9	47.0	49.1	51.6	53.5	55.8	58.7	59.3	60.6	63.6	64.1	66.0	66.8	69.4	72.8
37.8	44.0	47.2	49.2	51.8	53.7	56.4	59.5	60.2	61.4	64.6	65.2	67.1	67.9	70.5	73.5
37.8	44.2	47.4	49.5	52.0	53.9	56.8	59.9	60.6	61.8	65.0	65.6	67.5	68.3	70.9	74.3
37.9	44.3	47.6	49.6	52.2	54.1	56.9	60.0	60.7	61.9	65.2	65.7	67.6	68.4	71.0	74.4
38.1	44.4	47.7	49.7	52.3	54.2	57.0	60.2	61.0	62.2	65.7	66.5	68.6	69.4	72.1	75.7
38.8	45.4	48.8	50.8	53.4	55.3	58.1	61.7	62.5	63.8	67.8	68.7	71.0	71.8	74.5	78.6
39.3	46.1	49.5	51.5	54.1	56.0	58.8	62.3	63.4	64.8	68.7	69.6	72.1	72.8	75.7	79.8
39.3	46.1	49.5	51.5	54.1	56.0	58.8	62.6	63.7	65.0	69.0	69.9	72.2	73.0	76.0	80.1
39.4	46.5	50.0	52.0	54.7	57.0	59.9	63.7	64.9	66.3	70.3	71.3	73.6	74.4	77.4	81.4
39.8	46.9	50.4	52.4	55.3	57.7	60.6	64.5	65.7	67.2	71.3	72.2	74.5	75.3	78.3	82.4
39.8	47.2	50.8	52.8	55.7	58.3	61.1	65.4	66.9	68.4	72.6	73.6	76.4	77.2	80.9	85.2
39.8	47.4	51.1	53.1	56.0	58.5	61.4	65.9	67.8	69.2	73.4	74.4	77.5	78.3	82.1	86.4
39.9	47.4	51.1	53.1	56.2	58.8	61.8	66.4	68.3	69.8	74.0	74.9	78.2	79.0	82.8	87.9
39.9	47.4	51.1	53.1	56.2	58.8	61.8	66.4	68.3	69.8	74.0	74.9	78.2	79.0	82.8	88.2
40.1	48.0	51.6	53.7	57.0	59.6	62.6	67.2	69.2	70.9	75.1	76.0	79.5	80.5	84.3	90.0
40.2	48.1	51.8	53.9	57.5	60.0	63.0	67.6	69.8	71.4	76.2	77.1	80.8	81.7	85.6	91.7
40.4	48.4	52.0	54.3	57.9	60.4	63.4	68.0	70.3	72.0	77.2	78.2	82.0	83.1	87.1	93.4
40.7	48.6	52.3	54.6	58.4	61.0	64.0	68.6	70.9	72.5	77.9	78.9	82.7	83.7	88.2	94.4
40.9	49.1	52.7	55.0	58.8	61.4	64.4	69.1	71.4	73.0	79.0	80.1	84.0	85.1	89.6	96.1
40.9	49.1	52.7	55.0	58.8	61.4	64.4	69.2	71.5	73.3	79.4	80.5	84.7	86.0	90.9	98.1
40.9	49.1	52.7	55.0	58.8	61.4	64.4	69.2	71.5	73.3	79.4	80.5	84.7	86.0	91.2	98.9
40.9	49.1	52.7	55.0	58.8	61.4	64.4	69.2	71.5	73.3	79.4	80.5	84.7	86.0	91.2	99.1
40.9	49.1	52.7	55.0	58.8	61.4	64.4	69.2	71.5	73.3	79.4	80.5	84.7	86.0	91.2	100.0

TOTAL NUMBER OF OBSERVATIONS 738

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1170 IIN CITY AFS AK

73-81

FLB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

30.0	35.6	37.0	38.5	41.2	41.5	43.2	44.7	44.9	46.1	48.5	49.2	50.8	50.9	52.0	53.3
31.7	37.3	38.7	40.2	42.9	43.2	45.4	46.9	47.1	48.3	50.8	51.5	53.3	53.4	54.6	55.9
31.6	38.1	39.6	41.5	44.1	44.4	46.7	48.5	48.6	50.0	53.1	53.9	55.9	56.0	57.4	58.7
31.7	38.5	40.1	42.1	44.9	45.2	47.5	49.2	49.4	50.8	53.9	54.6	56.7	56.8	58.2	59.4
32.5	39.3	40.9	43.2	46.1	46.4	48.8	50.5	50.6	52.0	55.1	55.9	57.9	58.0	59.4	60.7
33.1	39.9	41.5	43.8	46.7	47.1	49.4	51.1	51.2	52.6	55.9	56.7	58.8	59.3	60.8	62.2
34.1	40.9	42.4	44.7	47.7	48.0	50.3	52.3	52.5	53.9	57.1	57.9	60.1	60.5	62.1	63.5
34.1	40.9	42.4	44.7	47.7	48.0	50.3	52.3	52.5	53.9	57.1	57.9	60.1	60.5	62.1	63.5
35.8	42.6	44.1	46.6	49.7	50.3	52.6	54.8	55.0	56.3	59.9	60.7	63.3	64.1	65.8	67.6
37.2	44.1	45.7	48.5	51.5	52.3	55.1	57.4	57.6	59.3	63.3	64.1	66.7	67.5	69.2	71.1
37.5	44.9	46.4	49.2	52.3	53.1	56.2	58.7	58.8	60.5	64.6	65.3	68.0	68.7	70.4	72.3
37.6	45.0	46.6	49.4	52.5	53.3	56.3	59.0	59.1	60.8	64.9	65.6	68.4	69.2	70.9	72.8
37.6	45.0	46.6	49.4	52.5	53.3	56.3	59.0	59.1	60.8	64.9	65.6	68.4	69.2	70.9	72.8
38.2	45.6	47.5	50.3	53.4	54.3	57.4	60.1	60.4	62.2	66.3	67.0	69.8	70.7	72.4	74.6
38.9	47.1	48.8	51.7	54.8	55.7	59.0	61.8	62.1	64.2	68.3	69.0	72.0	72.9	74.9	77.1
39.2	47.7	49.4	52.3	55.4	56.3	59.6	62.4	62.7	64.9	69.0	70.0	73.4	74.3	76.5	79.1
39.2	47.8	49.5	52.5	55.6	56.7	60.1	63.2	63.5	65.6	69.8	70.7	74.3	75.4	77.6	80.2
39.5	48.5	50.2	53.3	56.5	57.7	61.1	64.2	64.6	66.9	71.1	72.0	75.5	76.8	78.9	81.6
39.6	48.6	50.3	53.4	56.7	57.9	61.3	64.4	64.7	67.0	71.2	72.1	75.7	76.9	79.1	81.7
39.6	48.6	50.3	53.4	56.7	57.9	61.3	64.4	64.7	67.0	71.2	72.1	75.7	76.9	79.1	81.7
39.8	49.2	51.1	54.2	57.4	58.7	62.4	66.4	66.7	69.3	73.7	74.6	78.5	79.9	82.4	85.9
39.9	49.5	51.4	54.5	58.2	59.6	63.3	67.3	67.6	70.3	74.8	75.7	79.6	81.1	83.7	87.8
39.9	49.5	51.4	54.5	58.2	59.6	63.3	67.3	67.8	70.4	74.9	75.9	79.7	81.3	83.9	87.9
40.1	49.7	51.9	55.0	58.7	60.1	63.8	68.3	68.7	71.4	76.0	76.9	81.0	82.5	85.1	89.5
40.1	49.7	51.9	55.0	58.7	60.1	63.8	68.3	68.7	71.5	76.2	77.1	81.1	82.7	85.3	90.7
40.4	50.0	52.2	55.3	59.1	60.5	64.4	68.9	69.3	72.6	77.9	78.8	83.0	84.5	87.6	93.2
40.4	50.0	52.2	55.3	59.1	60.5	64.4	68.9	69.3	72.8	78.3	79.3	83.6	85.1	88.4	94.1
40.6	50.3	52.5	55.6	59.6	61.0	64.9	69.8	70.3	73.7	79.6	80.5	84.8	86.4	89.6	95.4
40.6	50.3	52.5	55.6	59.6	61.0	64.9	70.3	70.7	74.1	80.2	81.1	85.6	87.2	90.7	97.2
40.6	50.3	52.5	55.6	59.6	61.0	64.9	70.3	70.9	74.5	80.7	81.6	86.1	87.6	91.6	98.6
40.6	50.3	52.5	55.6	59.6	61.0	64.9	70.3	70.9	74.6	80.8	81.7	86.2	87.8	91.8	99.4
40.6	50.3	52.5	55.6	59.6	61.0	64.9	70.3	70.9	74.6	80.8	81.7	86.2	87.8	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS 646

USAF ETAC 1170 IIN CITY AFS AK 73-81

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0170 TTN CITY AFS AK

74-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR 01-2330

2100-2330

22.5	41.5	44.6	45.1	46.8	47.9	50.9	53.5	54.9	57.1	59.9	60.0	62.3	62.8	63.1	63.8
22.6	42.2	45.3	45.8	47.9	48.9	52.0	54.5	55.9	58.1	61.1	61.2	63.8	64.3	64.7	65.5
22.6	42.5	45.6	46.1	48.2	49.2	52.3	54.7	56.3	58.5	61.4	61.6	64.5	65.0	65.4	66.2
22.6	42.5	45.6	46.1	48.2	49.2	52.3	54.9	56.3	58.8	61.7	61.9	64.9	65.4	65.7	66.6
22.3	42.7	45.8	46.3	48.4	49.4	52.8	55.4	56.8	59.3	62.3	62.4	65.4	65.9	66.2	67.1
23.2	43.1	46.1	46.7	48.9	49.9	53.3	55.9	57.3	59.9	62.8	63.0	65.9	66.6	66.9	67.8
23.2	43.2	46.3	46.8	49.1	50.1	53.5	56.3	57.6	60.2	63.6	63.8	66.9	67.6	67.9	68.8
23.2	43.2	46.3	46.8	49.1	50.1	53.5	56.3	57.6	60.2	64.0	64.2	67.2	67.9	68.3	69.1
24.2	44.9	48.2	48.7	50.9	52.0	55.4	58.1	59.5	62.4	66.6	66.9	70.0	70.7	71.0	72.2
24.4	45.6	48.9	49.4	52.1	53.2	56.8	59.7	61.1	64.3	68.4	68.8	72.0	72.7	73.1	74.3
24.9	47.0	50.3	50.8	53.5	54.5	58.1	61.1	62.4	65.9	70.0	70.3	73.6	74.3	74.6	75.8
24.7	47.5	50.8	51.3	54.2	55.2	58.8	61.7	63.3	66.7	70.8	71.2	74.6	75.3	75.6	76.8
24.9	47.5	50.8	51.3	54.2	55.4	59.3	62.3	64.2	67.6	71.7	72.0	75.5	76.2	76.5	77.7
24.9	47.9	51.3	51.8	54.7	55.9	60.0	63.0	64.8	68.6	72.7	73.1	76.5	77.2	77.5	78.9
24.9	48.2	51.6	52.1	55.4	56.6	60.7	63.6	65.5	69.3	73.4	73.8	77.2	77.9	78.2	79.6
24.9	49.1	52.5	53.0	56.3	57.5	61.6	64.5	66.4	70.2	74.3	74.6	78.0	78.7	79.4	80.8
25.0	50.1	53.5	54.0	57.3	58.5	62.6	65.5	67.6	71.7	75.8	76.2	79.6	80.3	81.0	82.3
25.9	51.3	54.9	55.6	59.2	60.4	64.8	68.1	70.2	74.3	78.4	78.7	82.3	83.0	83.7	85.1
25.9	51.5	55.1	56.3	59.9	61.1	65.5	68.8	70.8	75.0	79.1	79.4	83.0	83.7	84.7	86.1
25.9	51.6	55.2	56.4	60.0	61.2	65.7	69.0	71.0	75.1	79.2	79.6	83.2	83.9	84.9	86.4
26.1	52.3	56.1	57.3	60.9	62.1	66.6	70.0	72.4	76.5	80.6	81.0	84.7	85.4	86.4	88.0
26.4	52.7	56.4	57.6	61.9	63.1	67.6	71.0	73.4	77.5	81.6	82.0	86.1	86.8	87.8	89.4
26.4	52.8	56.6	57.8	62.1	63.3	67.8	71.7	74.1	78.2	82.3	82.7	86.8	87.7	88.7	90.2
26.4	53.2	57.1	58.3	62.8	64.0	68.4	72.4	74.8	79.1	83.2	83.5	88.0	88.9	90.2	91.8
26.4	53.3	57.3	58.5	63.0	64.3	68.8	72.9	75.3	79.8	83.9	84.2	88.9	89.7	91.1	93.6
26.4	53.3	57.3	58.5	63.0	64.3	69.1	73.2	76.0	80.6	84.7	85.1	89.7	90.6	92.3	95.0
26.4	53.3	57.3	58.5	63.0	64.3	69.1	73.6	76.5	81.1	85.2	85.6	90.6	91.4	93.1	95.9
26.4	53.5	57.5	58.7	63.1	64.5	69.5	73.9	76.8	81.5	85.6	85.9	90.9	91.8	93.5	96.4
26.4	53.5	57.5	58.7	63.1	64.5	69.5	73.9	76.8	81.5	85.8	86.1	91.3	92.1	93.8	97.6
26.4	53.5	57.5	58.7	63.1	64.5	69.5	73.9	76.8	81.5	85.8	86.1	91.3	92.1	93.8	97.8
26.4	53.5	57.5	58.7	63.1	64.5	69.5	73.9	76.8	81.5	85.8	86.1	91.3	92.1	93.8	97.8
26.4	53.5	57.5	58.7	63.1	64.5	69.5	73.9	76.8	81.5	85.8	86.1	91.3	92.1	93.8	97.8

TOTAL NUMBER OF OBSERVATIONS 583

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TUN CITY AFS AK

73-81

EEB

PERCENT FREQUENCY OF OCCURRENCE
FROM MODEL OBSERVATION

ALL

26.2	38.1	40.5	41.7	44.1	44.9	47.7	49.6	50.6	52.7	55.2	55.4	57.2	57.5	58.4	59.4
26.7	39.1	41.5	42.7	45.2	46.1	48.9	50.8	51.9	53.9	56.5	56.8	58.6	58.9	59.8	61.0
27.4	40.1	42.6	43.8	46.3	47.2	50.1	52.1	53.2	55.5	58.3	58.6	60.6	60.9	61.8	63.0
27.4	40.2	42.7	44.0	46.5	47.4	50.4	52.4	53.5	55.8	58.7	58.9	60.9	61.2	62.2	63.4
27.7	40.5	43.0	44.3	46.9	47.8	50.9	52.9	53.9	56.3	59.2	59.5	61.4	61.7	62.7	63.9
28.2	41.1	43.6	44.9	47.5	48.5	51.7	53.7	54.9	57.3	60.2	60.5	62.5	62.9	64.0	65.4
28.6	41.7	44.2	45.5	48.2	49.1	52.3	54.6	55.7	58.1	61.2	61.5	63.5	63.9	65.0	66.4
28.8	41.9	44.5	45.8	48.4	49.4	52.6	54.8	55.0	58.4	61.5	61.8	63.8	64.2	65.3	66.7
29.7	43.2	45.7	47.2	49.9	51.0	54.3	56.6	57.8	60.5	63.9	64.2	66.6	67.0	69.3	69.9
30.3	44.0	46.7	48.3	51.1	52.2	55.7	58.1	59.4	62.4	65.9	66.3	68.7	69.2	70.6	72.2
30.6	44.6	47.4	49.0	51.9	53.0	56.7	59.1	60.5	63.6	67.2	67.6	70.0	70.5	71.9	73.5
30.6	44.8	47.6	49.3	52.2	53.3	57.1	59.5	60.9	64.1	67.7	68.1	70.6	71.1	72.5	74.2
30.7	44.9	47.7	49.3	52.3	53.4	57.2	59.6	61.1	64.3	67.9	68.3	70.8	71.3	72.7	74.4
31.0	45.4	48.3	49.9	53.0	54.1	58.0	60.5	62.0	65.4	69.1	69.6	72.1	72.7	74.2	76.0
31.3	46.3	49.2	50.8	54.1	55.3	59.3	61.9	63.5	66.9	70.7	71.2	73.8	74.4	76.1	77.9
31.4	46.7	49.7	51.3	54.6	55.8	59.8	62.5	64.2	67.7	71.5	72.0	74.8	75.3	77.1	79.1
31.6	47.1	50.2	51.9	55.3	56.5	60.5	63.3	65.0	68.6	72.4	72.9	75.7	76.3	78.1	80.0
32.0	48.0	51.2	53.0	56.6	57.9	62.0	65.0	66.8	70.4	74.4	74.9	77.7	78.3	80.1	82.1
32.1	48.3	51.6	53.4	57.0	58.4	62.5	65.5	67.3	71.1	75.0	75.5	78.3	78.9	80.8	82.8
32.1	48.5	51.9	53.8	57.4	58.8	63.0	66.2	68.0	71.8	75.9	76.4	79.3	79.9	81.9	84.3
32.3	49.1	52.6	54.5	58.2	59.6	63.9	67.2	69.2	73.0	77.3	77.8	80.8	81.5	83.6	86.0
32.4	49.4	52.9	54.9	59.0	60.4	64.8	68.1	70.3	74.2	78.5	79.1	82.3	82.9	85.1	87.6
32.5	49.6	53.1	55.2	59.2	60.7	65.0	68.6	70.7	74.6	79.3	79.8	83.1	83.8	85.9	88.8
32.6	49.9	53.5	55.5	59.7	61.2	65.7	69.4	71.6	75.5	80.2	80.8	84.1	84.9	87.2	90.2
32.7	50.1	53.6	55.7	60.0	61.5	66.1	70.0	72.2	76.2	81.1	81.7	85.2	85.9	88.3	91.8
32.8	50.3	53.9	56.0	60.3	61.9	66.5	70.5	72.8	77.1	82.2	82.8	86.4	87.1	89.6	93.3
32.9	50.4	54.0	56.1	60.5	62.0	66.7	70.8	73.1	77.6	82.8	83.3	87.0	87.8	90.4	94.1
32.9	50.5	54.1	56.2	60.7	62.2	66.9	71.1	73.5	77.9	83.5	84.0	87.8	88.6	91.3	95.1
32.9	50.5	54.1	56.2	60.7	62.2	67.0	71.2	73.6	78.2	83.9	84.4	88.4	89.2	92.0	96.6
32.9	50.5	54.1	56.2	60.7	62.3	67.0	71.3	73.7	78.3	84.0	84.6	88.7	89.5	92.7	97.8
32.9	50.5	54.1	56.2	60.7	62.3	67.0	71.3	73.7	78.3	84.1	84.7	88.8	89.6	92.9	98.6
32.9	50.5	54.1	56.2	60.7	62.3	67.0	71.3	73.7	78.3	84.1	84.7	88.8	89.6	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5444

GLOBAL CLIMATOLOGY BRANCH
USAF LTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

MAR

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0001-0200

17.2	34.1	39.4	42.1	45.2	45.7	48.7	54.6	56.3	58.4	59.8	59.8	61.2	61.2	61.3	61.6
17.5	34.4	39.8	42.5	46.0	46.5	49.7	56.2	57.9	60.0	61.4	61.4	62.8	62.8	62.9	63.4
17.7	35.0	40.5	43.2	46.8	47.4	50.8	57.3	59.0	61.1	62.5	62.5	63.9	63.9	64.7	64.5
17.7	35.0	40.5	43.2	46.8	47.4	50.8	57.3	59.0	61.1	62.5	62.5	63.9	63.9	64.7	64.5
17.7	35.0	40.5	43.2	46.9	47.5	50.9	57.4	59.1	61.2	62.6	62.6	64.0	64.0	64.1	64.6
17.7	35.0	40.5	43.2	46.9	47.5	50.9	57.4	59.1	61.2	62.6	62.6	64.0	64.0	64.1	64.6
17.7	35.3	40.9	43.6	47.3	47.9	51.3	57.8	59.5	61.5	63.0	63.0	64.3	64.3	64.5	65.0
17.7	35.8	41.4	44.1	48.1	48.7	52.1	58.6	60.3	62.4	63.9	63.9	65.2	65.2	65.3	65.8
17.8	36.9	42.6	45.3	49.3	49.9	53.5	60.1	61.8	64.0	65.8	65.8	67.2	67.2	67.3	67.8
18.7	39.7	45.5	48.5	52.6	53.2	57.0	64.3	66.1	68.3	70.1	70.1	71.4	71.4	71.6	72.0
19.3	40.4	46.8	49.8	54.0	54.6	58.4	65.7	67.4	69.6	71.4	71.4	72.8	72.8	72.9	73.4
19.4	40.5	47.0	50.1	54.5	55.1	59.2	66.5	68.3	70.8	72.6	72.6	74.0	74.0	74.1	74.6
19.4	40.5	47.0	50.1	54.5	55.1	59.2	66.5	68.3	70.8	72.6	72.6	74.0	74.0	74.1	74.6
19.4	40.8	47.3	50.3	54.7	55.7	59.8	67.6	69.4	72.0	73.9	73.9	75.2	75.2	75.3	75.8
19.9	41.6	48.1	51.2	55.6	56.5	60.7	68.7	70.5	73.4	75.2	75.2	76.6	76.6	76.7	77.2
20.1	42.0	48.5	51.5	55.9	56.9	61.1	69.1	70.8	73.7	75.6	75.6	76.9	76.9	77.0	77.5
20.1	42.2	48.7	52.1	56.5	57.6	61.9	70.0	71.7	74.6	76.4	76.4	77.8	77.8	77.9	78.4
20.1	42.2	49.1	52.5	57.1	58.9	63.7	72.9	74.6	77.8	79.6	79.6	81.0	81.0	81.1	81.6
20.1	42.2	49.2	52.6	57.3	59.0	63.9	73.0	74.7	77.9	79.7	79.7	81.1	81.1	81.2	81.7
20.1	42.2	49.6	53.0	58.1	59.6	64.7	74.5	76.2	79.6	81.6	81.6	82.9	82.9	83.0	83.6
20.1	42.9	50.4	54.0	59.3	61.3	66.3	76.1	77.8	81.6	83.5	83.5	85.0	85.0	85.1	85.8
20.1	42.9	50.4	54.1	59.6	61.5	66.5	76.4	78.3	82.3	84.6	84.6	86.7	86.7	86.8	87.9
20.1	43.1	50.8	54.5	60.0	61.9	67.0	76.9	78.8	83.2	85.5	85.5	87.5	87.5	87.7	88.8
20.1	43.6	51.4	55.1	60.9	63.1	68.6	78.9	80.7	85.1	87.8	87.8	90.0	90.0	90.1	91.6
20.1	43.6	51.6	55.3	61.2	63.4	69.0	79.2	81.1	85.6	88.3	88.3	90.5	90.5	90.6	92.1
20.1	43.8	51.6	55.3	61.2	63.6	70.0	81.0	82.8	87.4	90.4	90.4	92.9	92.9	93.0	94.5
20.1	43.8	51.6	55.4	61.5	64.0	70.7	82.4	84.2	89.1	92.2	92.2	94.7	94.7	94.9	96.3
20.1	44.0	51.8	55.7	61.9	64.5	71.7	83.4	85.2	90.1	93.2	93.2	95.7	95.7	96.0	97.4
20.3	44.4	52.4	56.4	62.6	65.2	72.4	84.1	86.0	90.8	93.9	93.9	96.9	96.9	97.2	99.0
20.3	44.4	52.4	56.4	62.6	65.2	72.4	84.1	86.0	90.8	93.9	93.9	96.9	96.9	97.1	99.5
20.3	44.4	52.4	56.4	62.6	65.2	72.4	84.1	86.0	90.8	93.9	93.9	96.9	96.9	97.1	97.7100.0
20.3	44.4	52.4	56.4	62.6	65.2	72.4	84.1	86.0	90.8	93.9	93.9	96.9	96.9	97.1	97.7100.0

TOTAL NUMBER OF OBSERVATIONS 519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

170 TIN CITY AFS AK

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

18.0	34.2	39.2	40.0	44.0	44.4	47.9	54.5	56.3	58.9	60.1	60.1	60.7	60.9	61.4	62.2
18.0	34.3	39.3	40.1	44.3	44.6	48.4	55.4	57.3	59.9	61.1	61.1	61.7	61.9	62.4	63.1
18.5	35.4	39.4	41.2	45.4	45.7	49.9	56.8	58.8	61.3	62.5	62.5	63.1	63.4	63.9	64.6
18.5	35.4	39.4	41.2	45.4	45.7	49.9	56.8	58.8	61.3	62.5	62.5	63.1	63.4	63.9	64.6
18.5	35.4	39.4	41.2	45.4	45.7	49.9	56.8	58.8	61.3	62.5	62.5	63.1	63.4	63.9	64.6
18.5	35.6	39.7	41.5	45.6	46.0	50.1	57.1	59.0	61.6	62.8	62.8	63.4	63.6	64.1	64.8
18.5	35.8	39.8	41.6	45.7	46.1	50.2	57.2	59.1	61.7	62.9	62.9	63.5	63.7	64.2	65.0
18.5	36.4	40.6	42.5	47.0	47.3	51.5	58.4	60.3	62.9	64.1	64.1	64.7	65.0	65.5	66.2
18.9	38.0	42.2	44.0	48.8	49.1	53.3	60.5	62.4	65.3	66.5	66.5	67.2	67.4	67.9	68.6
19.6	39.7	43.9	45.9	51.0	51.3	55.7	63.1	65.1	68.1	69.3	69.3	70.0	70.2	70.7	71.4
20.0	40.1	44.4	46.4	51.5	51.8	56.2	63.6	65.6	68.6	69.8	69.8	70.4	70.7	71.2	71.9
20.2	40.8	45.4	47.4	52.9	53.3	58.0	65.5	67.5	70.8	72.0	72.0	72.6	72.9	73.4	74.1
20.2	40.8	45.4	47.4	52.9	53.3	58.0	65.5	67.5	70.8	72.0	72.0	72.6	72.9	73.4	74.1
20.6	41.2	45.9	48.1	53.5	54.0	58.9	66.5	69.6	72.0	73.2	73.2	73.8	74.1	74.6	75.3
21.2	41.5	46.5	48.7	54.4	54.9	59.7	67.6	69.7	73.6	74.8	74.8	75.4	75.7	76.2	76.9
21.4	42.5	47.1	49.4	55.1	55.6	60.5	68.4	70.4	74.3	75.7	75.7	76.3	76.5	77.0	77.7
21.4	42.5	47.1	49.6	55.4	55.8	61.2	69.1	71.2	75.1	76.4	76.4	77.0	77.3	77.7	78.5
21.4	42.7	47.4	50.0	55.7	56.3	61.8	70.1	72.1	76.0	77.4	77.4	78.0	78.2	78.7	79.4
21.4	42.8	47.6	50.1	55.8	56.4	62.2	70.4	72.5	76.4	78.0	78.0	78.6	78.8	79.3	80.0
21.5	43.1	48.2	50.9	57.1	57.8	63.6	72.1	74.2	79.0	81.1	81.1	81.8	82.0	82.5	83.2
21.5	43.1	48.2	51.0	57.5	58.3	64.4	72.9	74.9	80.2	82.6	82.6	83.2	83.5	83.9	84.7
21.7	43.2	48.5	51.3	58.5	59.2	65.5	74.2	76.3	81.5	84.5	84.5	85.6	85.9	86.4	87.2
21.8	43.6	49.0	51.8	59.0	59.7	66.3	75.4	77.5	83.1	86.3	86.3	87.5	87.7	88.3	89.2
21.8	43.7	49.3	52.3	59.6	60.5	67.3	76.5	78.6	84.3	87.7	87.8	89.1	89.3	90.1	91.0
21.8	43.7	49.3	52.3	59.6	60.6	68.0	77.3	79.3	85.0	88.9	89.1	90.6	90.9	91.7	92.7
21.8	43.7	49.3	52.3	59.6	60.6	68.4	78.2	80.3	86.6	90.8	90.9	92.7	93.1	94.0	95.1
21.8	43.8	49.6	52.8	60.1	61.1	69.0	79.1	81.3	87.6	91.8	92.0	93.8	94.2	95.1	96.2
21.8	43.8	49.8	53.0	60.8	61.8	69.8	79.9	82.1	88.4	92.9	93.1	94.9	95.3	96.2	97.3
21.9	44.2	50.4	53.6	61.4	62.4	70.4	80.8	83.0	89.3	94.0	94.3	96.2	96.6	97.8	99.3
21.9	44.2	50.4	53.6	61.6	62.5	70.6	80.9	83.1	89.4	94.2	94.4	96.4	96.7	98.4	100.0
21.9	44.2	50.4	53.6	61.6	62.5	70.6	80.9	83.1	89.4	94.2	94.4	96.4	96.7	98.4	100.0
21.9	44.2	50.4	53.6	61.6	62.5	70.6	80.9	83.1	89.4	94.2	94.4	96.4	96.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
USAF LTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

MAP

PERCENTAGE FREQUENCY OF PRESENCE
FROM 1000 FT. OBSERVATION

0600-0800

26.9	33.7	36.1	37.7	39.7	43.1	42.8	45.5	47.7	49.3	49.9	49.9	51.3	51.7	52.8	53.4
26.9	34.3	36.7	38.3	40.5	41.3	43.8	46.6	48.1	50.4	51.0	51.0	52.4	52.8	53.9	54.7
27.5	35.0	37.5	39.1	41.2	41.7	44.5	47.3	49.7	51.3	51.9	51.9	53.4	53.9	55.0	55.8
27.5	35.0	37.5	39.1	41.4	41.8	44.6	47.4	49.1	51.5	52.1	52.1	53.5	54.0	55.1	56.0
27.9	35.4	38.1	40.0	42.3	42.8	45.6	48.4	50.1	52.6	53.4	53.4	54.9	55.4	56.4	57.4
27.9	35.4	38.2	40.1	42.6	43.2	46.0	48.8	50.5	52.9	53.8	53.8	55.2	55.7	56.8	57.8
27.9	35.4	38.2	40.1	42.6	43.2	46.0	48.8	50.5	52.9	53.8	53.8	55.2	55.7	56.8	57.8
27.9	35.5	38.3	40.3	42.7	43.4	46.2	49.0	50.7	53.3	54.1	54.1	55.6	56.1	57.2	58.2
28.7	36.7	39.7	41.7	44.5	45.3	48.1	51.0	52.7	55.5	56.3	56.3	57.9	58.4	59.5	60.5
31.4	40.1	43.1	45.4	48.8	49.6	52.8	56.1	57.9	60.8	62.0	62.0	63.7	64.2	65.3	66.3
31.4	40.3	43.2	45.5	49.0	49.9	53.4	57.2	59.0	62.0	63.3	63.3	65.0	65.5	66.5	67.5
31.6	40.9	43.8	46.1	49.8	50.6	54.1	58.0	60.1	63.1	64.4	64.4	66.2	66.7	67.8	68.7
31.6	40.9	43.8	46.1	49.8	50.6	54.1	58.0	60.1	63.1	64.6	64.6	66.4	66.9	68.0	69.0
32.1	42.1	45.3	47.8	51.8	52.8	56.6	60.6	62.7	65.8	67.4	67.4	69.3	69.8	70.9	71.9
32.6	42.7	45.9	48.4	52.6	53.6	57.7	61.9	64.2	67.4	69.0	69.0	70.9	71.4	72.5	73.5
33.3	43.1	46.2	48.8	53.2	54.3	58.4	62.7	65.0	68.2	69.8	69.8	71.9	72.4	73.5	74.5
33.2	43.4	46.6	49.1	53.9	55.0	59.1	63.4	65.8	69.2	70.8	70.8	72.9	73.4	74.5	75.4
33.2	43.6	46.8	49.4	54.4	55.5	59.9	64.7	67.3	71.0	72.7	72.7	75.1	75.7	77.1	78.1
33.2	43.7	47.7	49.5	54.5	55.6	60.0	64.8	67.4	71.2	72.9	72.9	75.2	75.8	77.3	78.2
33.5	44.2	47.4	50.0	55.4	56.6	61.2	66.3	69.1	73.8	76.3	76.4	78.7	79.3	80.9	81.9
34.1	44.8	48.3	50.9	56.2	57.4	62.3	67.6	70.4	75.5	78.3	78.5	80.9	81.5	83.3	84.3
34.2	45.0	48.8	51.3	57.1	58.3	63.1	68.9	71.8	76.9	80.5	80.8	83.5	84.2	86.1	87.1
34.3	45.1	48.9	51.6	57.5	58.8	63.6	69.8	73.0	78.5	82.5	82.7	85.5	86.3	88.2	89.3
34.3	45.1	49.0	51.8	58.0	59.4	64.4	70.6	73.7	79.6	83.9	84.2	87.0	87.7	89.7	90.9
34.3	45.3	49.1	51.9	58.3	59.6	64.8	71.0	74.2	80.2	85.0	85.3	88.1	88.8	90.8	92.0
34.3	45.3	49.4	52.3	58.6	60.0	65.6	71.9	75.2	81.1	86.3	86.5	89.7	90.5	92.7	94.3
34.3	45.3	49.4	52.4	58.8	60.1	65.8	72.1	75.7	81.6	86.7	87.0	90.1	91.0	93.2	94.8
34.3	45.5	49.8	52.8	59.1	60.5	66.3	72.7	76.3	82.4	87.5	87.7	90.9	91.7	93.9	95.9
34.4	45.9	50.1	53.2	59.5	61.2	67.0	73.5	77.1	83.5	89.3	89.7	93.2	94.0	96.4	98.4
34.4	45.9	50.2	53.3	59.6	61.3	67.2	73.8	77.5	83.9	90.1	90.5	94.3	95.1	97.4	99.8
34.4	45.9	50.2	53.3	59.6	61.3	67.2	74.0	77.6	84.1	90.4	90.8	94.5	95.4	97.7	100.0
34.4	45.9	50.2	53.3	59.6	61.3	67.2	74.0	77.6	84.1	90.4	90.8	94.5	95.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 622

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72170 TTN CITY AFS AK

73-81

MAF

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

9900-1100

28.1	34.1	36.8	38.2	41.7	42.0	43.7	45.1	45.6	46.9	49.5	49.7	50.2	50.3	50.9	51.5
28.7	35.1	37.8	39.1	43.0	43.4	45.1	46.4	46.9	48.2	50.8	51.0	51.5	51.6	52.2	52.9
30.0	36.6	39.4	40.8	45.2	45.7	47.4	48.8	49.5	50.9	53.8	54.1	54.8	54.9	55.5	56.5
30.3	36.7	39.5	40.9	45.3	45.8	47.5	49.0	49.6	51.0	53.9	54.2	54.9	55.1	55.7	56.6
30.1	36.8	40.0	41.6	45.9	46.4	48.1	49.7	50.3	51.9	55.2	55.5	56.4	56.5	57.1	58.4
30.9	37.7	40.8	42.6	47.1	47.6	49.3	50.9	51.5	53.1	56.6	57.0	57.8	58.0	58.6	59.9
31.1	37.9	41.2	43.0	47.5	48.0	49.8	51.4	52.0	53.6	57.1	57.5	58.3	58.4	59.1	60.5
31.1	37.9	41.2	43.0	47.6	48.1	49.9	51.5	52.1	53.7	57.2	57.6	58.4	58.6	59.2	60.6
32.6	39.6	42.9	44.6	49.9	50.4	52.6	54.6	55.2	56.7	60.4	60.8	61.6	61.7	62.3	63.9
34.3	41.6	45.1	47.1	53.6	54.2	56.5	59.1	59.8	61.4	65.6	66.0	67.0	67.2	67.9	69.7
34.9	42.3	45.8	47.9	54.4	55.0	57.5	60.3	61.0	62.6	67.2	67.6	68.5	68.8	69.5	71.3
35.4	42.8	46.3	48.4	54.9	55.5	58.2	61.4	62.1	63.7	68.3	68.7	69.6	69.9	70.6	72.4
35.4	42.8	46.3	48.4	54.9	55.5	58.2	61.4	62.1	63.7	68.3	68.7	69.6	69.9	70.6	72.4
36.2	43.9	47.4	49.5	56.3	56.9	59.5	63.1	63.8	65.5	70.1	71.5	71.9	72.3	73.1	75.0
36.3	45.0	48.6	51.0	58.1	59.1	61.7	65.6	66.7	68.5	73.3	73.6	75.2	75.6	76.4	76.3
37.1	45.6	49.2	51.6	59.8	59.8	62.5	66.3	67.4	69.5	74.5	74.8	76.5	76.9	77.8	79.6
37.1	45.6	49.2	51.6	58.9	59.9	62.6	66.5	67.6	69.9	75.1	75.5	77.2	77.5	78.4	80.2
37.4	46.1	49.7	52.1	59.9	60.9	63.9	68.3	69.6	72.1	78.0	78.4	80.2	80.6	81.8	84.2
37.5	46.2	49.9	52.4	60.1	61.1	64.5	69.0	70.4	72.8	78.7	79.1	80.9	81.3	82.5	84.9
37.5	46.4	50.3	52.7	60.8	61.8	65.5	70.2	71.6	74.2	80.6	81.9	83.0	83.4	84.7	87.1
37.7	46.8	50.7	53.2	61.2	62.3	66.1	70.8	72.3	75.0	81.4	81.8	84.2	84.6	86.0	88.5
37.7	46.9	50.8	53.3	61.4	62.5	66.5	71.3	72.9	75.6	82.7	83.1	85.7	86.0	87.6	90.0
37.7	46.9	50.8	53.3	61.4	62.5	66.5	71.3	72.9	75.6	82.9	83.2	85.8	86.1	87.8	90.3
37.8	47.3	51.2	53.7	61.7	62.8	66.8	71.8	73.4	76.5	84.1	84.4	87.2	87.6	89.6	92.1
37.8	47.3	51.4	53.9	62.0	63.1	67.1	72.2	73.8	77.2	84.8	85.2	88.0	88.3	90.3	93.1
37.8	47.3	51.4	53.9	62.0	63.1	67.4	72.8	74.4	77.8	85.4	85.9	88.7	89.1	91.0	93.8
37.8	47.3	51.4	53.9	62.0	63.1	67.6	73.1	74.7	78.1	85.8	86.3	89.3	89.7	91.6	94.4
37.8	47.3	51.4	54.2	62.3	63.4	67.9	73.6	75.2	78.6	86.4	86.9	89.9	90.3	92.3	95.3
37.9	47.5	51.8	54.6	62.8	64.0	68.8	74.7	76.5	80.2	88.6	89.1	92.7	93.1	95.4	98.3
37.9	47.6	51.9	54.8	63.1	64.3	69.1	75.1	76.9	80.7	89.6	90.0	93.8	94.2	96.6	99.5
37.9	47.6	51.9	54.8	63.1	64.3	69.1	75.1	76.9	80.7	89.6	90.0	93.9	94.3	96.7	99.6
37.9	47.6	51.9	54.8	63.1	64.3	69.1	75.1	76.9	80.7	89.6	90.0	93.9	94.3	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TIN CITY AFS AK

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR OF OBSERVATION

1200-1400

31.5	36.2	37.9	39.7	41.3	41.9	44.8	46.8	47.6	48.0	50.1	50.5	51.9	52.0	52.5	53.4
32.3	36.7	38.5	40.3	42.1	42.8	45.6	47.6	48.8	49.3	51.4	51.7	53.4	53.5	54.0	54.9
32.9	37.7	39.7	41.4	44.0	44.6	47.5	49.5	50.7	51.6	53.9	54.2	55.9	56.0	56.6	57.5
32.9	37.8	39.8	41.5	44.1	44.8	47.9	49.9	51.1	52.3	54.2	54.6	56.2	56.4	57.2	57.9
33.1	37.9	39.9	41.6	44.6	45.3	48.4	50.6	51.9	52.7	55.1	55.5	57.1	57.2	57.9	58.7
33.5	38.5	40.6	42.6	45.6	46.3	49.4	51.6	52.9	53.7	56.2	56.6	58.2	58.4	59.0	59.9
33.9	39.0	41.1	43.1	46.1	46.8	49.9	52.2	53.5	54.4	56.9	57.2	58.9	59.0	59.6	60.6
34.2	39.3	41.4	43.4	46.4	47.0	50.1	52.5	53.7	54.6	57.1	57.5	59.1	59.2	59.9	60.8
35.9	41.1	43.3	45.4	49.3	50.1	53.2	56.0	57.4	58.4	60.8	61.2	62.8	63.0	63.6	64.6
37.2	42.8	44.9	47.0	51.1	52.1	55.7	59.1	61.2	62.6	65.6	66.0	68.2	68.3	69.0	70.2
37.5	43.5	45.6	47.8	52.1	53.1	56.7	60.3	62.5	63.8	67.0	67.3	69.6	69.7	70.3	71.6
38.2	44.3	46.4	48.5	52.9	54.0	57.7	61.7	63.8	65.2	68.3	68.7	70.9	71.1	71.7	72.9
38.2	44.3	46.4	48.5	52.9	54.0	57.7	61.7	63.8	65.2	68.3	68.7	70.9	71.1	71.7	72.9
38.9	45.3	47.6	49.8	54.5	55.6	59.7	63.7	65.8	67.2	70.3	70.7	73.1	73.3	74.1	75.3
39.7	46.0	48.4	50.7	55.6	57.4	61.7	66.8	69.6	71.1	74.2	74.6	77.1	77.3	78.3	79.6
39.9	46.6	49.0	51.5	56.5	58.5	63.1	68.3	71.2	72.7	76.1	76.4	78.9	79.2	80.2	81.4
40.1	46.9	49.3	51.7	56.7	58.7	63.3	68.7	71.8	73.3	76.8	77.2	79.8	80.0	81.3	82.7
40.5	47.3	49.9	52.4	57.6	59.7	64.7	71.2	74.3	75.9	79.4	79.8	82.7	83.0	84.4	86.2
40.5	47.3	49.9	52.4	57.6	59.7	64.7	71.4	74.7	76.4	79.9	80.3	83.2	83.5	84.9	86.7
40.5	47.3	49.9	52.4	57.6	59.7	65.3	71.8	75.1	77.1	80.7	81.2	84.5	84.9	86.7	88.7
40.8	48.0	50.6	53.1	58.4	60.5	65.7	72.7	75.9	78.1	82.0	82.5	86.0	86.4	88.3	90.4
40.9	48.3	50.9	53.5	58.9	61.0	66.2	73.2	76.4	78.7	82.8	83.3	86.9	87.4	89.4	91.5
41.0	48.4	51.0	53.6	59.0	61.1	66.5	73.4	76.8	79.2	83.5	84.0	87.8	88.3	90.3	92.4
41.1	48.5	51.1	53.7	59.1	61.2	66.6	73.6	77.1	79.8	84.2	84.7	88.4	88.9	90.9	93.3
41.1	48.9	51.5	54.2	59.7	61.8	67.3	74.3	77.9	80.8	85.2	85.7	89.4	89.9	91.9	94.5
41.1	49.0	51.7	54.5	60.2	62.3	68.1	75.2	79.1	81.9	86.3	86.8	90.5	91.0	93.0	95.6
41.1	49.0	51.7	54.5	60.2	62.3	68.2	75.6	79.4	82.5	86.9	87.4	91.1	91.6	93.6	96.3
41.1	49.4	52.1	54.9	60.6	62.7	68.6	76.2	80.0	83.2	87.5	88.0	92.1	92.6	94.8	97.6
41.5	49.8	52.5	55.6	61.6	63.7	69.6	77.3	81.2	84.3	89.0	89.5	93.8	94.3	96.4	99.3
41.5	49.8	52.5	55.6	61.6	63.7	69.6	77.4	81.3	84.4	89.4	89.9	94.3	94.8	96.9	99.8
41.5	49.8	52.5	55.6	61.6	63.7	69.6	77.4	81.3	84.4	89.4	89.9	94.3	94.8	96.9	100.0
41.5	49.8	52.5	55.6	61.6	63.7	69.6	77.4	81.3	84.4	89.4	89.9	94.3	94.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TIN CITY AFS AK

73-81

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

33.0	38.1	39.1	40.5	42.2	43.1	44.5	47.6	48.3	50.3	51.8	52.0	52.7	52.7	53.3	54.0
33.1	38.1	39.4	40.8	42.6	43.5	44.9	48.4	49.3	51.3	52.8	53.0	54.1	54.1	54.7	55.4
33.4	36.7	39.9	41.4	43.2	44.1	45.9	49.4	50.3	52.3	54.0	54.1	55.7	55.7	56.2	56.9
33.6	36.8	40.1	41.5	43.3	44.2	46.3	49.9	50.7	52.7	54.4	54.5	56.1	56.1	56.7	57.4
34.0	39.2	40.5	42.2	44.3	45.2	47.3	51.0	51.8	53.8	55.5	55.7	57.2	57.2	57.8	58.5
34.1	39.4	40.7	42.4	44.5	45.3	47.5	51.1	52.0	54.0	55.7	56.1	57.6	57.6	58.2	58.9
34.1	39.4	40.7	42.4	44.5	45.3	47.5	51.3	52.1	54.1	55.8	56.2	57.8	57.8	58.4	59.1
34.6	39.8	41.1	42.8	44.9	45.8	47.9	51.7	52.5	54.5	56.2	56.7	58.2	58.2	58.8	59.5
37.5	43.2	44.6	46.3	48.6	49.6	51.8	55.7	56.5	58.6	60.6	61.0	62.7	62.9	63.6	64.3
39.4	45.8	47.2	49.6	52.3	53.4	56.1	60.9	62.2	64.7	67.4	67.8	69.5	69.7	71.1	72.0
39.7	46.5	47.9	50.3	53.0	54.1	57.1	62.0	63.3	65.9	68.6	69.0	70.7	70.8	72.2	73.1
39.9	46.7	48.2	50.6	53.3	54.4	57.4	62.7	64.0	66.6	69.3	69.7	71.4	71.5	72.9	73.8
39.9	46.7	48.2	50.6	53.3	54.4	57.4	62.7	64.0	66.6	69.3	69.7	71.4	71.5	72.9	73.8
39.9	46.7	48.3	50.7	53.5	54.7	58.2	63.7	65.0	67.6	70.3	70.7	72.4	72.5	73.9	74.8
40.4	47.2	49.2	51.6	54.4	55.8	60.1	66.4	68.1	70.7	73.7	74.1	75.9	76.1	77.5	78.3
40.4	47.2	49.2	51.6	54.4	55.8	60.1	66.9	68.8	71.4	74.8	75.2	77.1	77.2	78.6	79.5
41.2	48.2	50.1	52.5	55.4	56.8	61.0	67.8	70.0	72.5	76.1	76.5	78.3	78.5	80.3	81.3
41.2	48.3	50.6	53.1	56.2	57.6	62.2	69.4	71.5	74.1	77.6	78.0	80.2	80.3	82.3	83.7
41.2	48.3	50.6	53.1	56.2	57.6	62.2	69.4	71.5	74.1	77.6	78.0	80.2	80.3	82.3	83.7
41.4	48.4	50.8	53.4	56.7	58.1	62.7	70.3	72.5	75.2	79.0	79.5	82.0	82.4	84.6	86.1
41.9	49.2	51.6	54.1	57.4	58.8	63.6	71.5	73.8	76.8	80.7	81.2	84.1	84.6	86.8	88.7
42.1	49.3	51.7	54.2	57.6	59.1	64.2	72.1	74.4	77.6	81.6	82.0	85.0	85.4	87.8	89.8
42.1	49.3	51.7	54.2	57.9	59.3	64.4	72.5	74.9	78.5	82.4	82.9	85.8	86.3	88.7	90.7
42.1	49.7	52.1	54.7	58.5	59.9	65.0	73.1	75.8	79.6	84.0	84.4	87.5	88.0	90.5	92.8
42.1	50.4	52.8	55.4	59.3	60.8	65.9	73.9	76.6	80.5	84.8	85.3	88.4	88.8	91.4	93.6
42.1	50.7	53.1	55.7	59.6	61.2	66.3	74.4	77.1	81.3	85.7	86.1	89.2	89.7	92.2	94.6
42.4	51.1	53.5	56.1	60.1	61.6	66.7	74.9	77.8	82.0	86.4	86.8	90.1	90.5	93.2	95.9
42.4	51.1	53.7	56.4	60.3	61.9	67.0	75.2	78.0	82.3	86.7	87.1	90.4	90.9	94.1	97.2
42.4	51.1	53.8	56.5	60.8	62.3	67.8	76.1	78.9	83.1	87.7	88.1	91.4	91.9	95.0	98.3
42.4	51.3	54.0	56.9	61.6	63.2	68.7	77.2	80.2	84.4	89.0	89.4	92.8	93.3	96.5	100.0
42.4	51.3	54.0	56.9	61.6	63.2	68.7	77.2	80.2	84.4	89.0	89.4	92.8	93.3	96.5	100.0
42.4	51.3	54.0	56.9	61.6	63.2	68.7	77.2	80.2	84.4	89.0	89.4	92.8	93.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WFO WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7/11/70 TTN CITY AFS AK

73-81

MAC

PER CENT FREQUENCY OF OCCURRENCE
FROM HOUR OF OBSERVATION

1800-2000

27.4	37.9	47.4	42.2	46.6	47.9	48.6	51.3	53.6	54.9	55.6	55.6	56.4	56.4	56.4	56.9
27.4	37.9	47.4	42.2	46.7	48.1	48.7	51.9	54.3	55.6	56.4	56.4	57.8	57.8	58.1	58.3
27.4	38.2	40.7	42.6	47.2	48.6	50.1	53.3	55.6	56.9	57.9	57.9	59.3	59.3	59.6	59.8
27.9	38.7	41.2	43.1	47.7	49.1	50.6	53.8	56.1	57.4	58.4	58.4	59.8	59.6	60.1	60.3
28.1	39.1	41.7	43.6	48.2	49.6	51.1	54.3	56.6	57.9	58.9	58.9	60.3	60.3	60.6	60.8
28.3	39.1	41.9	43.7	48.4	49.7	51.4	54.6	56.9	58.3	59.3	59.3	60.8	60.8	61.3	61.4
28.7	39.1	41.9	43.7	48.7	50.1	52.1	55.3	57.6	58.9	59.9	59.9	61.4	61.4	61.9	62.1
28.7	39.7	42.6	44.4	49.4	50.8	52.8	55.9	58.3	59.6	60.6	60.6	62.1	62.1	62.6	62.8
29.7	41.2	44.1	45.9	51.1	52.6	54.6	57.8	60.1	61.4	62.4	62.4	63.9	64.3	64.8	64.9
31.6	44.2	47.1	49.2	54.6	56.4	58.9	62.8	65.1	67.1	68.1	68.1	69.8	70.1	70.6	70.8
31.6	44.6	47.4	49.6	55.1	56.9	59.8	63.8	66.1	68.1	69.1	69.1	70.9	71.1	71.6	71.8
31.6	44.6	47.4	49.6	55.1	56.9	59.9	63.9	66.3	68.3	69.3	69.3	71.0	71.3	71.8	72.0
31.7	44.7	47.6	49.7	55.3	57.1	60.1	64.1	66.4	68.4	69.4	69.4	71.1	71.5	72.0	72.1
31.9	44.9	47.7	49.9	55.6	57.4	60.8	65.4	67.8	70.1	71.1	71.1	72.8	73.1	73.6	73.8
32.2	45.2	48.1	50.3	55.9	57.8	61.1	66.4	68.8	71.1	72.1	72.1	73.8	74.1	74.6	74.8
32.7	45.7	48.6	50.8	56.4	58.3	61.6	67.1	69.4	71.6	72.8	72.8	74.5	74.8	75.3	75.5
32.9	45.9	48.7	50.9	56.6	58.6	61.9	67.4	69.9	72.3	73.3	73.3	75.3	75.6	76.3	76.5
32.9	45.9	48.7	51.1	56.8	58.8	62.1	68.4	71.3	73.8	75.3	75.3	77.6	78.0	79.3	79.6
32.9	45.9	48.7	51.1	56.8	58.9	62.3	68.6	71.5	74.0	75.6	75.6	78.1	78.5	80.0	80.5
32.9	45.9	48.7	51.1	57.1	59.4	62.9	69.3	72.1	74.6	76.3	76.6	79.8	80.1	81.6	82.3
32.9	45.9	48.7	51.1	57.1	59.4	63.3	70.1	73.3	76.3	78.3	78.6	82.6	83.1	85.0	86.0
32.9	45.9	48.7	51.3	57.6	60.1	64.1	71.3	74.6	78.1	80.1	80.5	84.5	85.0	86.8	88.3
32.9	46.1	48.9	51.4	57.8	60.3	64.3	72.0	75.5	79.0	81.3	81.3	85.3	85.8	87.6	87.1
32.9	46.9	49.7	52.3	58.6	61.1	65.4	73.5	77.1	80.8	83.3	83.6	87.6	88.1	90.0	91.5
33.1	47.4	50.3	52.9	59.3	61.8	66.4	74.5	78.1	81.8	84.3	84.6	88.6	89.1	91.0	93.0
33.1	47.4	50.4	53.1	59.8	62.4	67.1	75.1	79.3	83.0	85.5	85.8	90.3	90.8	92.7	95.0
33.1	47.6	50.6	53.3	59.9	62.6	67.3	75.3	79.5	83.3	86.3	86.6	91.2	91.7	93.5	96.2
33.1	47.6	50.6	53.4	60.4	63.1	67.8	76.0	80.1	84.0	87.0	87.3	91.8	92.3	94.3	97.0
33.1	47.6	50.8	53.6	60.6	63.3	68.3	76.5	81.0	85.0	88.0	88.3	92.8	93.3	95.3	98.3
33.1	47.6	50.8	53.6	60.9	63.6	68.6	76.8	81.3	85.6	88.8	89.1	93.7	94.2	96.2	99.3
33.1	47.6	50.8	53.8	60.9	63.6	68.6	77.0	81.5	86.0	89.3	89.6	94.3	94.6	96.8	100.0
33.1	47.6	50.8	53.8	60.9	63.6	68.6	77.0	81.5	86.0	89.3	89.6	94.3	94.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 599

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TUN CITY AFS AK

73-81

9AP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

19.7	36.2	40.0	42.3	46.1	46.8	48.7	54.4	56.7	58.6	59.8	59.8	60.5	60.5	60.7	61.1
19.7	36.4	40.3	42.6	46.4	47.1	49.0	55.5	58.1	60.0	61.3	61.3	62.0	62.0	62.1	62.6
19.7	36.4	40.3	42.6	46.4	47.1	49.4	56.0	58.6	60.5	62.0	62.0	62.7	62.7	62.8	63.2
19.7	36.4	40.3	42.6	46.5	47.2	49.5	56.2	58.8	60.7	62.1	62.1	62.8	62.8	63.7	63.4
19.8	36.5	40.4	42.7	46.7	47.4	49.7	56.3	58.9	60.8	62.3	62.3	63.0	63.0	63.1	63.5
19.8	36.9	40.8	43.1	47.1	47.8	50.1	56.7	59.3	61.2	62.7	62.7	63.4	63.4	63.5	63.9
19.8	37.0	41.0	43.3	47.2	47.9	50.2	56.9	59.4	61.3	62.8	62.8	63.5	63.5	63.6	64.0
19.9	37.4	41.5	43.8	48.2	48.8	51.2	57.8	60.4	62.3	63.8	63.8	64.5	64.5	64.6	65.0
20.4	38.8	42.9	45.2	49.8	50.5	52.9	59.6	62.1	64.0	65.8	65.8	66.5	66.5	66.6	67.0
21.3	41.4	45.7	48.4	53.3	54.3	56.7	63.6	66.2	68.1	70.0	70.0	70.7	70.7	70.8	71.2
21.8	42.3	46.9	49.7	54.5	55.5	57.9	65.3	67.8	69.7	71.6	71.6	72.3	72.3	72.5	72.9
22.0	42.5	47.1	49.6	54.7	55.8	58.5	65.9	68.7	70.7	72.6	72.6	73.3	73.3	73.4	73.8
22.0	42.5	47.1	49.8	54.7	55.8	58.5	65.9	68.7	70.7	72.6	72.6	73.3	73.3	73.4	73.8
22.1	42.9	47.5	50.3	55.2	56.3	59.0	66.5	69.3	71.6	73.5	73.5	74.2	74.2	74.4	74.8
22.3	43.0	47.6	50.5	55.4	56.6	59.3	67.2	70.0	72.3	74.2	74.2	74.9	74.9	75.0	75.4
22.7	43.6	48.2	51.0	55.9	57.1	60.0	67.8	70.7	73.0	74.9	74.9	75.6	75.6	75.7	76.1
22.7	43.8	48.4	51.6	56.4	57.7	60.5	68.9	71.8	74.2	76.1	76.1	76.9	76.9	77.1	77.5
22.7	44.4	49.3	52.5	57.4	58.8	62.1	71.9	74.8	77.2	79.5	79.5	80.5	80.5	81.0	81.7
22.7	44.4	49.4	52.6	57.5	58.9	62.4	73.0	75.9	78.3	80.6	80.6	81.5	81.5	82.1	82.8
22.7	44.4	49.4	52.9	57.9	59.3	63.1	73.9	76.8	79.5	82.2	82.2	83.6	83.6	84.1	84.9
22.7	44.5	49.7	53.3	58.6	60.1	64.0	75.3	78.3	81.3	84.3	84.3	85.8	85.8	86.3	87.4
22.7	44.5	49.7	53.3	58.6	60.4	64.3	76.1	79.5	83.0	86.2	86.2	87.8	87.8	88.5	89.7
22.7	44.5	49.7	53.5	58.8	60.5	64.5	76.5	79.9	83.4	86.8	86.8	88.9	88.9	89.6	90.8
22.7	45.3	50.5	54.3	59.6	61.6	65.8	78.2	81.5	85.1	88.6	88.6	90.9	90.9	91.6	92.8
22.7	45.6	50.9	54.7	60.0	62.0	66.2	79.0	82.4	86.0	89.6	89.6	91.9	91.9	92.5	93.8
22.7	45.7	51.0	55.0	60.2	62.3	67.0	80.5	84.0	87.7	91.2	91.2	93.8	93.8	94.6	95.8
22.7	45.7	51.0	55.0	60.4	62.4	67.3	81.1	84.7	88.5	92.3	92.3	94.8	95.0	95.7	96.9
22.7	45.7	51.2	55.4	60.8	62.8	67.7	81.5	85.1	88.9	92.7	92.7	95.3	95.4	96.1	97.3
22.8	46.0	51.6	55.9	61.3	63.4	68.4	82.2	85.8	89.8	93.8	93.8	96.5	96.6	97.3	98.9
22.8	46.0	51.6	55.9	61.3	63.4	68.5	82.4	85.9	90.0	94.0	94.0	97.0	97.2	98.0	99.6
22.8	46.0	51.6	55.9	61.3	63.4	68.5	82.4	85.9	90.1	94.2	94.2	97.3	97.4	98.2	99.6
22.8	46.0	51.6	55.9	61.3	63.4	68.5	82.4	85.9	90.1	94.2	94.2	97.3	97.4	98.2	99.6

TOTAL NUMBER OF OBSERVATIONS 737

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TUN CITY AFS AK

73-81

MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

25.1	35.4	38.4	40.2	43.2	43.8	46.1	49.9	51.3	53.1	54.5	54.6	55.6	55.7	56.2	56.8
25.2	35.8	38.8	40.7	43.9	44.5	46.9	51.0	52.5	54.3	55.7	55.8	56.9	57.1	57.5	58.1
25.8	36.5	39.6	41.5	44.9	45.5	48.1	52.3	53.9	55.7	57.3	57.4	58.6	58.7	59.2	59.9
25.8	36.6	39.7	41.6	45.3	45.6	48.3	52.5	54.1	55.9	57.5	57.6	58.8	58.9	59.4	60.1
26.0	36.8	40.0	42.0	45.5	46.1	48.8	53.3	54.6	56.5	58.2	58.3	59.5	59.6	60.1	60.8
26.2	37.1	40.3	42.4	45.9	46.6	49.3	53.5	55.1	56.9	58.7	58.8	60.0	60.2	60.7	61.4
26.2	37.3	40.5	42.6	46.1	46.8	49.6	53.8	55.4	57.3	59.0	59.2	60.3	60.5	61.0	61.6
26.4	37.6	40.9	43.0	46.7	47.4	50.1	54.4	56.0	57.9	59.6	59.8	60.9	61.1	61.6	62.4
27.5	39.3	42.7	44.8	48.8	49.6	52.4	56.8	58.5	60.5	62.3	62.5	63.7	63.9	64.4	65.2
29.3	41.7	45.2	47.5	52.1	52.9	56.1	61.0	62.8	65.0	67.2	67.4	68.7	68.9	69.5	70.4
29.3	42.3	45.9	48.3	52.9	53.7	57.0	62.2	64.0	66.2	68.4	68.6	69.9	70.1	70.8	71.5
29.6	42.7	46.4	48.7	53.4	54.3	57.8	63.2	65.0	67.3	69.6	69.7	71.1	71.3	71.9	72.8
29.6	42.8	46.4	48.7	53.4	54.4	57.8	63.2	65.0	67.4	69.6	69.8	71.1	71.3	72.0	72.8
30.7	43.4	47.1	49.5	54.4	55.4	59.0	64.6	66.5	68.9	71.2	71.4	72.8	73.1	73.7	74.6
30.5	44.0	47.7	50.3	55.2	56.4	60.2	66.3	68.4	71.0	73.3	73.5	75.0	75.2	75.9	76.8
30.8	44.4	48.2	50.8	55.8	57.0	60.9	67.1	69.2	71.8	74.3	74.4	76.3	76.2	76.9	77.8
30.9	44.7	48.5	51.1	56.2	57.5	61.5	67.7	69.9	72.6	75.2	75.3	76.9	77.1	77.9	78.8
31.0	45.0	48.9	51.6	56.9	58.3	62.6	69.6	71.9	74.7	77.5	77.6	79.4	79.7	80.7	81.8
31.0	45.0	49.0	51.7	57.0	58.4	62.8	70.0	72.3	75.1	77.9	78.1	79.9	80.1	81.2	82.3
31.1	45.2	49.3	52.0	57.6	59.1	63.6	71.1	73.5	76.7	79.8	80.0	82.1	82.4	83.5	84.8
31.3	45.6	49.8	52.6	58.3	59.8	64.5	72.2	74.6	78.1	81.5	81.7	84.0	84.3	85.6	86.9
31.4	45.7	50.0	52.8	58.7	60.3	65.1	73.0	75.5	79.2	83.0	83.2	85.7	86.1	87.4	88.9
31.4	45.8	50.1	53.0	59.0	60.5	65.4	73.5	76.2	80.1	83.9	84.2	86.8	87.1	88.5	90.1
31.5	46.2	50.5	53.5	59.6	61.2	66.3	74.5	77.2	81.4	85.5	85.8	88.5	88.8	90.3	92.0
31.5	46.4	50.8	53.8	60.0	61.6	66.9	75.2	77.9	82.1	86.4	86.7	89.4	89.8	91.3	93.1
31.5	46.5	51.0	54.0	60.2	61.9	67.5	76.1	79.0	83.3	87.7	88.0	91.0	91.4	92.9	94.8
31.5	46.6	51.1	54.2	60.4	62.1	67.9	76.7	79.6	84.1	88.6	88.9	91.9	92.3	93.8	95.8
31.5	46.7	51.3	54.5	60.8	62.6	68.4	77.4	80.2	84.7	89.3	89.6	92.7	93.1	94.7	96.9
31.6	47.0	51.6	54.9	61.4	63.2	69.2	78.2	81.2	85.8	90.6	90.9	94.3	94.7	96.4	98.7
31.6	47.0	51.7	55.0	61.6	63.4	69.4	78.5	81.5	86.2	91.2	91.5	94.9	95.4	97.2	99.7
31.6	47.0	51.7	55.0	61.6	63.4	69.4	78.5	81.5	86.2	91.3	91.6	95.1	95.5	97.4	100.0
31.6	47.0	51.7	55.0	61.6	63.4	69.4	78.5	81.5	86.2	91.3	91.6	95.1	95.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6130

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-177 TIN CITY AFS AK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 100 TO 1000 FEET

0000-0200

17.8	33.7	36.1	37.3	39.7	40.9	43.9	46.7	47.4	48.4	50.5	50.5	51.9	51.9	52.1	52.1
17.8	33.8	36.2	37.5	40.1	41.2	44.2	47.1	48.0	48.7	50.9	50.9	52.3	52.3	52.5	52.5
17.8	34.2	36.6	37.8	40.5	41.6	44.6	47.5	48.4	49.1	51.3	51.3	52.6	52.6	52.9	52.9
18.2	34.6	37.0	38.2	40.9	42.0	45.0	48.1	49.0	49.7	51.9	51.9	53.3	53.3	53.5	53.5
18.2	34.6	37.0	38.3	41.2	42.4	45.6	48.7	49.6	50.4	52.6	52.6	54.0	54.0	54.3	54.3
18.4	35.2	37.6	39.0	41.9	43.0	46.6	49.7	50.6	51.4	53.6	53.6	55.0	55.0	55.3	55.3
18.7	35.8	38.2	39.6	42.6	43.7	47.4	50.9	51.8	52.5	54.8	54.8	56.1	56.1	56.4	56.4
19.0	36.3	38.7	40.1	43.2	44.4	48.0	51.5	52.4	53.1	55.4	55.4	56.8	56.8	57.0	57.0
19.5	37.3	39.7	41.1	44.9	46.0	49.6	53.1	54.0	54.8	57.0	57.0	58.5	58.5	59.1	59.1
19.9	38.1	40.7	42.1	46.0	47.1	50.6	54.3	55.1	55.9	58.1	58.1	59.6	59.6	60.3	60.3
20.2	38.7	41.4	42.7	46.6	47.7	51.4	55.3	56.1	56.9	59.1	59.1	60.7	60.7	61.3	61.3
20.3	39.3	42.0	43.4	47.4	48.5	52.1	56.0	56.9	57.8	60.0	60.0	61.5	61.5	62.2	62.2
20.3	39.3	42.0	43.4	47.4	48.5	52.1	56.0	56.9	57.8	60.3	60.3	61.8	61.8	62.4	62.4
20.8	40.5	43.2	44.6	48.6	49.7	53.4	57.5	58.6	59.8	62.0	62.0	63.5	63.5	64.2	64.2
21.1	41.5	44.9	46.4	50.5	51.6	55.3	59.9	61.0	62.3	64.5	64.5	66.2	66.2	66.8	66.8
21.1	42.7	46.2	47.9	52.4	53.5	57.3	62.2	63.4	64.8	67.0	67.0	68.7	68.7	69.3	69.3
21.7	43.6	47.2	49.0	53.9	55.0	58.8	63.7	65.0	66.4	68.7	68.7	70.6	70.6	71.2	71.2
21.8	44.2	47.9	49.6	54.6	55.8	60.0	65.3	66.7	68.0	70.3	70.3	72.2	72.2	72.8	72.8
22.2	45.0	48.9	50.6	55.8	56.9	61.3	66.5	67.9	69.4	71.8	71.8	73.7	73.7	74.3	74.3
22.4	46.7	50.9	52.9	58.3	59.4	63.9	69.2	70.7	72.2	75.3	75.3	77.4	77.4	78.2	78.2
22.4	47.0	51.6	53.6	59.0	60.2	64.7	70.6	72.7	74.2	77.9	77.9	80.2	80.2	81.0	81.0
22.8	47.6	52.3	54.3	59.9	61.0	65.5	71.9	74.2	76.3	80.3	80.3	82.7	82.7	83.5	83.5
22.8	47.9	52.5	54.5	60.2	61.3	65.9	72.8	75.1	77.4	81.5	81.5	83.8	83.8	84.6	84.6
22.8	48.4	53.1	55.4	61.5	62.7	67.8	75.2	77.8	79.9	84.5	84.5	87.1	87.1	87.8	87.8
22.8	48.4	53.4	55.6	62.5	64.0	69.5	76.9	79.6	81.8	86.8	86.8	89.7	89.7	90.6	90.6
22.8	48.7	53.9	56.1	63.4	65.0	70.7	78.1	81.0	83.3	88.6	88.6	91.9	92.0	93.1	93.6
22.8	48.7	53.9	56.1	63.4	65.0	71.1	78.6	81.5	84.0	89.2	89.2	92.7	92.9	94.7	94.5
22.8	48.7	53.9	56.1	63.4	65.0	71.1	78.6	81.8	84.5	89.8	89.8	93.5	93.6	94.7	95.2
22.8	48.9	54.0	56.6	64.2	65.8	71.8	79.4	82.8	85.7	91.1	91.1	94.9	95.0	96.4	97.2
22.8	48.9	54.0	56.6	64.2	65.8	71.8	79.8	83.3	86.2	91.6	91.6	95.7	95.9	97.4	98.5
22.8	48.9	54.0	56.6	64.2	65.8	71.8	79.8	83.3	86.5	91.9	91.9	96.9	97.0	98.9	100.0
22.8	48.9	54.0	56.6	64.2	65.8	71.8	79.8	83.3	86.5	91.9	91.9	96.9	97.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TTN CITY AFS AK

73-81

APR

PERCENTAGE FREQUENCY OF OBSERVATIONS
FROM HOUR OF OBSERVATION

3300-3500

22.1	31.5	33.8	34.6	38.0	38.7	39.7	43.1	43.7	44.4	45.9	45.9	47.0	47.4	48.5	48.6
22.2	31.6	34.1	34.6	38.6	39.3	40.5	43.9	44.5	45.1	46.6	46.6	47.7	48.1	49.2	49.4
22.2	31.8	34.5	35.2	39.1	39.8	41.0	44.4	45.0	45.6	47.1	47.1	48.2	48.6	49.7	49.9
22.2	31.8	34.5	35.2	39.1	40.0	41.1	44.5	45.1	45.7	47.2	47.2	48.4	48.7	49.9	50.0
22.4	32.1	34.7	35.5	39.3	40.2	41.7	45.1	45.7	46.4	48.0	48.0	49.1	49.5	50.6	50.8
22.6	32.3	35.1	35.8	40.0	40.9	42.5	45.9	46.5	47.1	48.7	48.7	49.9	50.3	51.4	51.5
23.2	33.2	36.1	36.8	41.1	42.3	43.9	47.4	48.0	48.6	50.3	50.3	51.4	51.8	52.9	53.0
23.2	33.2	36.1	36.8	41.1	42.3	43.9	47.4	48.0	48.6	50.3	50.3	51.4	51.8	52.9	53.0
23.8	34.0	37.1	38.0	42.9	43.7	45.6	49.1	49.7	50.4	52.1	52.1	53.3	53.6	54.9	55.0
24.9	35.8	39.2	40.1	45.0	45.9	48.2	52.0	52.6	53.5	55.4	55.4	56.8	57.1	58.4	58.5
25.4	36.7	40.2	41.1	46.1	47.0	49.4	53.3	53.9	54.8	56.9	56.9	58.3	58.6	59.9	60.0
25.4	36.7	40.2	41.1	46.2	47.1	49.6	53.6	54.3	55.3	57.4	57.4	58.8	59.1	60.4	60.5
25.6	36.8	40.4	41.2	46.4	47.2	49.7	53.8	54.4	55.4	57.5	57.5	58.9	59.3	60.5	60.7
26.7	38.5	42.7	42.9	48.1	49.1	51.9	56.0	56.6	58.1	60.5	60.5	61.9	62.3	63.5	63.7
27.7	40.0	44.0	44.9	50.3	51.3	54.3	58.5	59.3	60.8	63.2	63.2	64.5	64.9	66.2	66.3
28.2	41.5	45.6	46.6	52.5	53.5	56.6	61.0	61.8	63.7	66.2	66.2	67.5	67.9	69.2	69.3
28.3	42.4	46.6	47.6	53.8	54.8	57.9	62.4	63.4	65.3	67.8	67.8	69.2	69.5	70.8	70.9
28.7	42.9	47.4	48.5	54.9	56.0	59.1	64.0	65.0	67.0	69.7	69.7	71.1	71.4	72.7	72.8
29.1	43.4	47.9	49.0	55.4	56.5	59.8	64.9	65.9	67.9	70.7	70.7	72.1	72.4	73.7	73.8
29.1	43.9	48.6	49.7	56.4	57.5	60.8	65.9	67.3	69.3	72.3	72.3	73.9	74.3	75.6	75.7
29.2	44.2	49.1	50.3	56.9	58.0	61.8	67.0	68.7	71.1	74.1	74.1	75.8	76.2	77.4	77.6
29.8	44.9	49.9	51.0	58.3	59.4	63.4	69.5	71.4	74.4	77.7	77.7	79.4	79.8	81.1	81.6
29.8	45.0	50.0	51.1	58.9	60.0	64.0	70.4	72.3	75.3	78.7	78.7	80.6	81.0	82.2	82.7
29.8	45.0	50.1	51.4	59.3	60.7	65.0	72.2	74.2	77.8	81.3	81.3	83.2	83.6	84.8	85.3
29.9	45.2	50.6	52.1	60.2	61.8	66.7	74.4	76.6	80.5	84.3	84.3	86.2	86.6	88.2	89.1
29.9	45.4	50.9	52.5	61.0	62.8	67.8	75.8	77.9	82.0	85.8	85.8	88.2	88.6	90.7	91.6
30.1	45.5	51.0	52.6	61.2	63.0	68.0	76.6	78.7	82.7	86.7	86.7	89.3	89.7	92.0	93.0
30.1	45.5	51.0	52.6	61.2	63.2	68.3	77.3	79.6	83.7	87.8	87.8	90.7	91.1	93.4	94.4
30.1	45.5	51.0	52.6	61.4	63.4	68.5	77.7	80.5	84.6	89.0	89.1	92.4	92.7	95.1	96.4
30.1	45.5	51.0	52.6	61.4	63.4	68.5	78.1	81.1	85.3	90.0	90.1	93.9	94.7	97.2	98.9
30.1	45.6	51.1	52.8	61.5	63.5	68.7	78.2	81.2	85.5	90.1	90.2	94.4	95.4	98.1	99.9
30.1	45.6	51.1	52.8	61.5	63.5	68.7	78.2	81.2	85.5	90.1	90.2	94.4	95.4	98.1	100.0

DATA NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
JOPPLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TTN CITY AFS AK

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY CB REPORTS

0600-2600

25.2	29.6	32.0	32.6	35.2	35.8	37.5	39.8	40.5	41.4	42.7	42.7	43.5	44.1	45.1	45.2
25.6	29.9	32.3	33.0	36.1	36.8	38.5	40.9	41.5	42.4	43.7	43.7	44.5	45.1	46.1	46.2
26.2	30.6	33.0	33.7	36.8	37.6	39.2	41.6	42.7	43.1	44.5	44.5	45.5	46.1	47.1	47.4
26.2	30.6	33.0	33.7	37.2	38.0	39.6	42.1	42.7	43.6	45.0	45.0	46.0	46.6	47.5	47.9
26.2	30.6	33.0	33.7	37.2	38.0	39.6	42.1	42.7	43.6	45.0	45.0	46.0	46.6	47.6	47.9
26.6	31.1	33.5	34.2	37.7	38.5	40.1	42.6	43.2	44.1	45.5	45.5	46.5	47.1	48.1	48.4
27.2	31.8	34.2	35.0	38.5	39.2	41.0	43.5	44.1	45.0	46.4	46.4	47.4	48.0	49.7	49.2
27.6	32.2	34.6	35.3	38.8	39.6	41.4	43.9	44.5	45.4	46.7	46.7	47.7	48.4	49.4	49.6
28.3	33.1	35.7	36.5	40.1	40.9	42.6	45.2	45.9	46.7	48.1	48.1	49.1	49.7	50.8	51.7
31.3	36.8	39.6	40.5	44.4	45.5	47.9	50.8	51.4	52.3	53.6	53.6	54.9	55.5	56.5	56.8
32.3	38.0	40.7	41.6	45.6	46.7	49.5	52.6	53.3	54.1	55.6	55.6	57.1	57.8	58.8	59.0
32.5	38.1	41.1	42.0	46.0	47.2	50.1	53.5	54.1	55.0	56.6	56.6	58.1	58.8	59.8	60.0
32.5	38.1	41.1	42.0	46.0	47.2	50.1	53.5	54.3	55.1	56.8	56.8	58.3	58.9	59.9	60.2
33.2	39.2	42.5	43.4	47.4	48.6	51.5	56.4	57.3	58.1	59.8	59.8	61.3	61.9	62.9	63.2
34.6	40.9	44.1	45.0	49.1	50.4	53.8	58.9	59.9	61.0	62.7	62.7	64.2	64.8	65.8	66.0
34.7	41.5	44.7	45.6	50.1	51.4	54.8	60.2	61.3	62.4	64.0	64.0	65.5	66.2	67.2	67.7
35.2	42.4	45.6	46.5	51.0	52.3	55.6	61.3	62.4	63.5	65.2	65.2	66.7	67.3	68.4	68.9
36.0	43.6	46.9	47.7	52.5	53.9	57.3	63.4	64.8	65.9	67.5	67.5	69.3	69.9	71.1	71.6
36.0	43.6	46.9	47.7	52.5	53.9	57.3	63.5	65.0	66.2	67.8	67.8	69.5	70.2	71.3	71.8
36.1	44.0	47.4	48.2	53.1	54.5	58.0	64.4	65.9	67.5	69.3	69.3	71.3	71.9	73.1	73.8
36.3	44.2	48.0	48.9	53.8	55.1	58.8	65.2	66.7	68.5	70.8	71.2	73.1	73.7	74.8	75.7
36.8	44.7	48.6	49.6	54.8	56.4	60.3	66.8	68.5	70.7	73.2	73.6	75.9	76.6	77.7	78.7
37.0	45.1	49.0	50.0	55.4	57.1	61.0	67.9	69.7	71.8	74.3	74.7	77.2	77.8	79.1	80.1
37.0	45.4	49.4	50.4	56.4	58.1	62.3	70.7	72.4	74.7	77.2	77.6	80.3	81.0	82.6	84.3
37.2	45.7	49.9	50.9	57.0	59.1	63.5	72.4	74.3	77.1	79.9	80.3	83.5	84.5	86.3	88.3
37.2	45.9	50.3	51.3	57.5	60.0	64.5	73.8	75.8	78.7	81.6	82.0	85.2	86.2	88.2	90.5
37.2	45.9	50.5	51.6	57.9	60.4	64.9	74.9	77.1	79.9	82.8	83.2	86.6	87.6	89.7	92.0
37.2	45.9	50.5	51.6	58.0	60.7	65.3	75.7	77.8	80.7	83.7	84.1	87.8	88.8	91.0	93.2
37.2	45.9	50.5	51.6	58.1	60.9	65.8	76.4	78.8	82.0	85.7	86.2	90.1	91.2	93.7	96.0
37.2	45.9	50.5	51.6	58.1	60.9	65.8	76.6	78.9	82.1	86.2	86.7	91.2	92.6	95.5	98.1
37.2	45.9	50.5	51.6	58.1	60.9	65.8	76.6	78.9	82.1	86.2	86.7	91.5	93.0	96.4	99.7
37.2	45.9	50.5	51.6	58.1	60.9	65.8	76.6	78.9	82.1	86.2	86.7	91.5	93.0	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1177 TIN CITY AFS AK

73-81

APR

PER CENT FREQUENCY OF OCCURRENCE
FROM A FULLY OBSERVED

1910-1110

27.9	33.6	35.8	36.9	39.3	41.2	43.5	45.4	47.1	47.7	48.4	48.6	49.8	50.3	51.3	51.3
27.9	33.9	36.7	37.1	39.5	41.4	43.9	46.4	47.7	48.3	49.1	49.2	50.6	51.1	52.2	52.2
29.6	35.8	37.9	39.1	41.5	43.7	46.4	49.1	50.7	51.3	52.1	52.2	53.7	54.3	55.5	55.5
29.7	35.9	38.0	39.3	41.9	44.0	46.8	49.4	51.1	51.8	52.6	52.7	54.3	55.0	56.1	56.1
30.4	36.5	38.8	40.0	42.7	44.8	47.6	50.2	51.8	52.6	53.3	53.5	55.1	55.7	56.8	56.8
31.2	37.4	39.8	41.0	43.7	45.8	48.6	51.2	52.8	53.6	54.3	54.5	56.2	56.8	58.0	58.0
31.6	37.8	40.2	41.4	44.3	46.4	49.2	51.8	53.5	54.2	55.0	55.1	57.0	57.6	58.8	58.8
31.9	38.0	40.4	41.7	44.5	46.8	49.6	52.2	53.8	54.6	55.3	55.5	57.3	58.0	59.2	59.2
33.2	39.4	41.8	43.0	46.3	48.7	51.7	54.3	56.0	56.7	57.6	57.8	60.0	60.6	62.0	62.0
35.1	41.4	43.9	45.3	48.7	51.1	54.1	57.0	58.6	59.5	60.4	60.6	62.9	63.5	64.9	65.0
36.0	42.3	44.8	46.2	49.6	51.9	55.3	58.6	60.2	61.2	62.1	62.4	64.6	65.2	66.6	66.8
36.0	42.4	44.9	46.3	49.7	52.1	55.5	58.8	60.5	61.6	62.5	62.7	65.0	65.6	67.0	67.1
36.0	42.4	44.9	46.3	49.7	52.1	55.5	58.8	60.5	61.6	62.5	62.7	65.0	65.6	67.0	67.1
36.4	42.8	45.4	46.8	50.3	52.7	56.1	60.4	62.1	63.4	64.2	64.5	66.9	67.5	69.9	69.0
37.1	43.7	46.3	47.8	51.4	53.8	57.2	61.6	63.4	64.6	65.5	65.7	68.1	68.8	70.1	70.5
37.8	44.4	47.1	48.6	52.2	54.6	58.0	62.9	64.6	66.2	67.3	67.5	69.9	70.5	72.0	72.4
38.1	45.4	48.2	49.8	53.5	55.8	59.5	64.5	66.2	68.0	69.0	69.3	71.6	72.3	73.8	74.2
38.6	46.2	48.9	50.7	54.3	57.0	60.7	66.5	68.5	70.4	71.4	71.6	74.7	75.3	76.8	77.2
38.8	46.4	49.2	50.9	54.6	57.2	61.1	66.8	68.8	70.8	72.1	72.4	75.4	76.0	77.5	77.9
38.8	46.5	49.6	51.6	55.3	58.0	61.7	67.8	69.9	72.0	73.5	73.8	77.3	77.9	79.7	80.2
38.8	46.9	49.9	51.9	55.7	58.5	62.2	68.4	70.5	72.8	74.4	74.7	78.2	78.8	80.7	81.2
39.3	47.8	50.8	53.1	57.3	60.2	64.1	70.6	72.8	75.4	77.2	77.4	81.2	81.8	83.7	84.2
39.3	48.1	51.2	53.5	57.7	60.9	64.7	71.4	73.7	76.4	78.5	78.8	82.8	83.4	85.3	85.8
39.4	48.3	51.6	53.8	58.2	61.4	65.4	72.8	75.5	78.3	80.4	80.7	84.8	85.4	87.7	88.7
39.8	48.8	52.1	54.5	58.8	62.1	66.4	74.0	76.9	79.9	82.6	82.8	87.1	87.7	90.0	91.1
39.9	49.7	52.9	55.3	60.1	63.4	68.0	76.2	79.0	82.3	85.1	85.3	89.6	90.2	92.5	93.6
39.9	49.7	52.9	55.5	60.2	63.5	68.5	76.8	79.7	83.4	86.2	86.4	90.7	91.3	93.9	95.0
39.9	49.7	52.9	55.6	60.4	63.6	68.9	77.2	80.2	83.9	87.0	87.2	91.5	92.1	94.6	95.7
39.9	49.7	52.9	55.6	60.6	64.0	69.4	77.7	80.7	84.6	88.3	88.6	93.5	94.2	97.1	98.4
39.9	49.7	52.9	55.8	60.6	64.0	69.4	77.7	80.8	84.8	88.7	89.0	94.0	94.7	98.0	99.4
39.9	49.7	52.9	55.8	60.6	64.0	69.4	77.7	80.8	84.8	88.7	89.0	94.0	94.7	98.1	99.7
39.9	49.7	52.9	55.8	60.6	64.0	69.4	77.7	80.8	84.8	88.7	89.0	94.0	94.7	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 797

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TTN CITY AFS AK

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

31.9	37.8	39.1	39.4	41.7	42.6	43.6	47.3	48.5	49.4	50.5	50.5	50.6	51.3	52.3	52.3
32.2	38.0	39.4	39.6	41.9	42.9	43.9	47.9	49.0	49.9	51.0	51.0	51.1	51.8	52.8	52.8
34.0	39.8	41.3	41.5	44.3	45.8	47.2	51.6	52.8	53.7	54.8	54.8	55.1	55.7	56.8	56.8
34.2	40.2	41.7	41.9	44.7	46.2	47.6	52.0	53.2	54.0	55.2	55.2	55.4	56.1	57.2	57.2
34.7	40.7	42.3	42.6	45.3	46.8	48.2	52.7	53.8	54.7	55.8	55.8	56.1	56.7	57.8	57.8
35.4	41.4	43.1	43.3	46.2	47.7	49.1	53.5	54.7	55.6	56.7	56.7	56.9	57.6	58.7	58.7
35.9	41.9	43.6	43.8	46.8	48.4	49.7	54.4	55.6	56.4	57.7	57.7	58.0	58.6	60.0	60.1
36.2	42.4	44.1	44.3	47.3	48.9	50.3	54.9	56.1	56.9	58.2	58.2	58.5	59.1	60.5	60.7
37.0	43.3	44.9	45.2	48.4	50.0	51.8	56.4	57.7	58.6	59.8	59.8	60.1	60.7	62.1	62.5
38.9	45.7	47.5	47.7	51.3	53.2	55.4	60.1	61.4	62.2	63.8	63.8	64.4	65.0	66.5	66.9
39.1	46.0	47.7	48.0	51.5	53.4	55.9	60.7	62.0	62.9	64.4	64.4	65.4	66.0	67.6	67.9
39.1	46.0	47.7	48.0	51.5	53.5	56.1	61.2	62.5	63.8	65.3	65.3	66.3	66.9	68.4	66.6
39.1	46.0	47.7	48.0	51.5	53.7	56.2	61.4	62.6	63.9	65.4	65.4	66.4	67.0	68.6	68.9
39.4	46.2	48.0	48.4	51.9	54.0	56.7	62.4	63.9	65.3	66.8	66.8	67.8	68.4	69.9	70.3
39.8	46.7	48.6	49.0	52.5	54.7	57.3	63.3	64.5	65.9	67.6	67.6	68.6	69.2	70.8	71.3
40.3	47.6	50.0	50.4	53.9	56.1	58.7	65.0	66.5	68.2	69.8	69.8	70.8	71.5	73.1	73.6
40.9	48.9	51.3	51.6	55.3	57.4	60.5	66.9	68.4	70.1	71.8	71.8	73.1	73.7	75.4	75.9
41.4	49.6	52.1	52.7	56.4	58.7	62.1	69.4	71.1	73.0	74.9	74.9	76.1	76.8	78.4	78.9
41.8	50.1	52.7	53.2	57.1	59.3	62.8	70.1	71.7	73.9	75.8	75.8	77.1	77.8	79.5	80.1
41.9	50.5	53.3	53.9	58.0	60.2	63.6	71.0	72.7	75.0	77.1	77.1	78.7	79.4	81.2	81.7
41.9	50.8	53.8	54.5	58.8	61.1	64.5	71.8	73.7	76.1	78.8	78.8	80.4	81.2	83.0	83.5
42.3	51.5	54.5	55.3	59.7	62.0	65.8	73.4	75.4	77.9	80.7	80.7	82.4	83.3	85.2	85.9
42.6	52.1	55.2	55.9	60.4	62.8	66.5	74.1	76.1	78.7	81.9	81.9	83.8	84.7	86.6	87.2
42.7	52.7	55.7	56.6	61.0	63.5	67.6	75.3	77.7	80.2	83.7	83.7	85.9	86.7	88.9	89.8
43.2	53.8	56.8	57.8	62.4	65.2	69.2	77.4	79.8	82.3	85.9	85.9	88.0	88.9	91.2	92.7
43.2	54.2	57.2	58.3	62.9	65.7	69.7	77.9	80.8	83.3	87.0	87.0	89.1	90.0	92.3	93.8
43.2	54.4	57.6	58.8	63.4	66.3	70.7	78.9	81.8	84.8	88.8	88.8	91.0	91.9	94.2	95.7
43.3	54.5	57.7	59.0	63.5	66.4	71.0	79.2	82.1	85.5	89.6	89.6	92.2	93.1	95.3	96.8
43.4	54.8	58.0	59.3	64.1	67.2	71.8	80.1	83.0	86.5	91.0	91.0	93.7	94.6	96.8	98.7
43.4	54.8	58.0	59.3	64.3	67.3	72.0	80.2	83.2	86.9	91.4	91.4	94.2	95.1	97.3	99.4
43.4	54.8	58.0	59.3	64.3	67.3	72.0	80.2	83.2	87.0	91.5	91.5	94.3	95.2	97.6	99.6
43.4	54.8	58.0	59.3	64.3	67.3	72.0	80.2	83.2	87.0	91.5	91.5	94.3	95.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

33.9	36.4	39.7	40.3	42.8	44.3	45.2	47.7	48.1	48.7	50.1	50.1	50.5	50.5	51.3	51.9
34.2	36.7	40.0	40.6	43.1	44.6	45.5	48.0	48.4	49.0	50.4	50.4	50.3	50.8	51.6	52.1
35.7	40.1	41.5	42.1	44.6	46.2	47.4	49.9	50.4	51.0	52.3	52.3	52.7	52.7	53.5	54.1
36.0	40.4	41.8	42.4	44.9	46.5	47.7	50.2	50.7	51.6	53.0	53.0	53.5	53.5	54.2	54.8
36.6	41.0	42.4	43.0	45.5	47.1	48.4	51.0	51.4	52.3	53.8	53.8	54.2	54.2	55.0	55.6
36.9	41.3	42.7	43.4	45.9	47.6	48.9	51.4	51.9	52.7	54.2	54.2	54.7	54.7	55.4	56.0
37.2	41.6	43.0	43.7	46.2	47.9	49.2	51.7	52.1	53.3	54.8	54.8	55.3	55.3	56.0	56.6
37.2	41.6	43.0	43.7	46.2	47.9	49.2	51.7	52.1	53.3	54.8	54.8	55.3	55.3	56.0	56.6
37.2	41.6	43.0	43.7	46.2	47.9	49.2	51.7	52.1	53.3	54.8	54.8	55.3	55.3	56.0	56.6
38.2	42.8	44.3	45.2	47.7	49.3	50.7	53.6	54.1	55.3	56.7	56.7	57.3	57.3	58.2	59.3
40.9	46.1	47.6	48.4	51.0	52.6	53.9	57.0	57.5	59.0	60.4	60.4	61.2	61.2	62.1	63.1
41.2	46.4	47.9	48.7	51.3	52.9	54.2	57.3	57.8	59.4	60.9	60.9	61.9	61.9	62.8	63.9
41.5	46.7	48.3	49.2	51.7	53.3	54.7	58.2	58.7	60.3	61.9	61.9	63.0	63.1	64.0	65.0
41.5	46.7	48.3	49.2	51.7	53.3	54.8	58.4	58.8	60.4	62.1	62.1	63.1	63.3	64.1	65.2
42.2	47.6	49.3	50.2	52.9	54.5	56.1	60.0	60.6	62.4	64.0	64.0	65.0	65.2	66.5	67.7
42.5	48.1	49.9	50.8	53.5	55.1	56.9	60.7	61.3	63.3	65.0	65.0	66.4	66.5	67.9	69.2
43.3	49.6	51.9	52.9	55.7	57.3	59.1	63.4	64.0	66.1	67.9	67.9	69.2	69.3	70.7	72.0
44.3	51.6	53.9	55.0	57.8	59.6	61.8	66.1	66.7	68.9	70.7	70.7	72.0	72.1	73.5	74.8
44.9	52.9	55.4	56.7	59.7	61.8	64.6	69.6	70.2	72.4	74.7	74.7	76.4	76.6	78.1	79.4
44.9	53.0	55.6	57.0	60.1	62.2	65.0	70.1	70.7	72.9	75.1	75.1	76.9	77.0	78.5	79.9
44.9	53.2	55.7	57.3	60.4	62.5	65.3	71.0	71.7	74.1	76.3	76.3	78.1	78.2	79.7	81.0
44.9	53.2	56.0	58.1	61.2	63.3	65.2	72.1	72.9	75.4	77.8	77.8	79.6	79.7	81.2	82.5
45.6	54.7	57.5	59.6	62.7	64.7	68.1	74.1	75.1	77.9	80.6	80.6	82.5	82.7	84.1	85.5
45.9	55.1	57.9	60.0	63.3	65.8	69.3	75.3	76.3	79.1	81.8	81.8	83.7	83.9	85.3	86.7
46.1	55.6	58.7	60.7	64.0	66.5	70.1	76.4	77.5	80.3	83.3	83.3	85.2	85.3	87.4	89.2
46.2	56.0	59.1	61.2	64.6	67.1	70.7	77.2	78.5	81.3	84.3	84.3	86.2	86.4	88.4	90.4
46.5	56.3	59.6	61.6	65.0	68.1	71.7	78.4	79.7	82.5	85.5	85.5	87.4	87.6	89.9	91.9
46.5	56.6	59.9	61.9	65.6	68.9	73.0	80.3	81.9	84.9	87.9	87.9	90.1	90.2	92.6	94.5
46.5	56.6	59.9	61.9	65.6	68.9	73.0	80.4	82.4	85.3	88.6	88.6	90.8	91.0	93.5	95.4
46.7	56.9	60.1	62.5	66.2	69.5	73.8	81.5	83.4	86.4	90.2	90.2	92.6	92.7	95.3	97.2
46.7	56.9	60.1	62.8	67.0	70.2	74.5	82.4	84.4	87.7	91.6	91.6	94.1	94.2	96.9	98.8
46.7	56.9	60.1	62.8	67.0	70.2	74.5	82.4	84.4	87.7	91.6	91.6	94.4	94.5	97.8	99.9
46.7	56.9	60.1	62.8	67.0	70.2	74.5	82.4	84.4	87.7	91.6	91.6	94.4	94.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

APP

PERCENTAGE FREQUENCY OF DIFFERENCE
FROM HOURLY OBSERVATIONS

2100-2300

20.7	31.7	33.9	34.4	36.0	36.8	38.5	41.4	43.1	43.6	45.6	45.8	46.6	46.6	46.8	46.9
20.5	32.2	34.4	34.6	36.5	37.4	39.0	42.3	44.0	44.4	46.5	46.6	47.5	47.5	47.7	47.8
21.2	33.3	35.5	36.0	37.7	38.6	40.2	43.4	45.2	45.6	47.7	47.8	48.7	48.7	48.8	49.0
21.3	33.5	35.7	36.1	37.9	38.7	40.4	43.6	45.3	45.8	47.8	48.0	48.8	48.8	49.7	49.1
21.3	33.6	35.8	36.3	38.0	38.9	40.5	43.7	45.5	45.9	48.0	48.1	49.0	49.0	49.1	49.3
21.3	33.6	35.8	36.3	38.0	38.9	40.8	44.0	45.8	46.2	48.2	48.4	49.3	49.3	49.4	49.6
21.3	33.6	35.8	36.3	38.0	38.9	40.8	44.2	45.9	46.3	48.4	48.5	49.4	49.4	49.6	49.7
21.3	33.6	35.8	36.3	38.0	38.9	40.8	44.2	45.9	46.3	48.4	48.5	49.4	49.4	49.9	50.0
21.9	34.4	36.5	37.0	39.0	39.9	41.8	45.2	46.9	47.4	49.4	49.6	50.6	50.6	51.7	51.6
23.0	35.5	37.9	38.3	40.4	41.2	43.1	46.5	48.2	48.7	50.7	50.9	51.9	51.9	52.3	52.9
23.1	36.1	38.7	39.5	41.7	42.5	44.7	48.4	50.1	50.6	52.6	52.8	53.8	53.8	54.2	54.8
23.1	36.3	38.9	39.8	42.1	43.0	45.5	49.1	50.9	51.3	53.4	53.5	54.5	54.5	55.0	55.6
23.1	36.3	39.0	39.9	42.3	43.1	45.6	49.3	51.0	51.5	53.5	53.7	54.7	54.7	55.1	55.7
24.3	38.5	41.4	42.4	44.9	45.8	48.2	51.9	53.7	54.1	56.3	56.6	57.7	57.7	58.2	58.8
24.9	39.6	42.5	43.7	46.5	47.4	50.0	54.2	56.0	56.4	59.4	59.6	60.8	60.8	61.3	61.8
24.9	41.4	44.6	45.8	48.7	49.9	52.9	57.5	59.2	59.6	62.6	62.9	64.0	64.0	64.5	65.1
25.4	42.3	45.5	46.8	49.7	51.0	54.5	59.4	61.1	61.5	64.6	64.9	66.1	66.1	66.5	67.1
26.2	44.9	48.4	50.0	53.1	54.4	58.3	63.6	65.4	65.8	69.2	69.4	70.6	70.6	71.1	71.6
26.5	45.5	49.1	50.7	53.9	55.3	59.2	64.5	66.2	66.7	70.3	70.6	71.9	71.9	72.4	73.0
26.5	46.1	49.9	51.6	54.8	56.3	60.8	66.4	68.6	69.2	73.2	73.5	75.4	75.4	75.9	76.5
26.6	47.5	51.3	53.4	56.7	58.2	62.9	68.7	71.3	71.9	76.0	76.3	78.5	78.5	79.1	79.7
26.8	48.0	51.9	53.9	57.3	58.8	63.9	70.2	72.8	73.5	77.6	77.9	80.1	80.1	81.0	81.7
26.9	48.1	52.0	54.1	57.5	58.9	64.3	70.9	73.5	74.3	78.8	79.1	81.3	81.3	82.2	82.9
26.9	48.2	52.3	54.4	58.6	60.4	66.1	73.7	76.3	77.0	81.7	82.0	84.4	84.4	85.2	86.0
27.2	49.0	53.1	55.1	59.6	61.4	67.1	74.9	77.5	78.2	83.2	83.5	85.8	85.8	86.7	87.9
27.2	49.7	53.9	56.4	61.1	63.0	69.0	77.3	80.0	80.8	86.1	86.4	89.0	89.0	90.5	91.7
27.2	49.9	54.1	56.7	61.4	63.3	69.7	78.5	81.1	82.0	87.3	87.6	90.5	90.5	92.0	93.1
27.2	49.9	54.1	56.7	61.4	63.6	70.0	78.8	81.4	82.6	87.9	88.2	91.1	91.1	92.5	93.7
27.2	50.0	54.2	57.0	62.1	64.3	70.8	79.7	82.5	83.9	89.5	89.8	92.8	92.8	94.4	96.1
27.2	50.0	54.2	57.0	62.1	64.3	70.8	80.0	82.7	84.2	89.9	90.2	93.7	93.7	95.6	97.7
27.2	50.0	54.2	57.0	62.1	64.3	70.8	80.0	82.7	84.8	90.6	90.9	95.5	95.5	97.8	100.0
27.2	50.0	54.2	57.0	62.1	64.3	70.8	80.0	82.7	84.8	90.6	90.9	95.5	95.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 684

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TTN CITY AFS AK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

25.8	33.6	35.6	36.3	36.7	39.7	41.3	44.0	45.0	45.7	47.1	47.1	47.9	48.2	48.9	49.1
26.1	33.9	35.9	36.6	39.2	40.3	41.9	44.7	45.7	46.3	47.7	47.8	48.6	48.9	49.7	49.8
27.0	35.0	37.0	37.8	40.4	41.6	43.4	46.3	47.3	48.0	49.3	49.4	50.3	50.6	51.4	51.6
27.2	35.2	37.2	38.0	40.7	41.9	43.7	46.7	47.7	48.4	49.8	49.8	50.7	51.0	51.8	52.0
27.5	35.5	37.6	38.3	41.1	42.3	44.2	47.2	48.1	48.9	50.3	50.3	51.3	51.6	52.4	52.6
27.8	36.0	38.1	38.8	41.7	42.9	44.8	47.8	48.8	49.5	51.0	51.0	51.9	52.2	53.7	53.2
28.2	36.4	38.5	39.3	42.2	43.4	45.4	48.5	49.5	50.3	51.7	51.8	52.8	53.1	53.9	54.1
28.4	36.7	38.8	39.6	42.5	43.7	45.8	48.9	49.8	50.6	52.1	52.1	53.1	53.4	54.3	54.5
29.3	37.7	39.9	40.7	44.0	45.2	47.3	50.5	51.5	52.2	53.7	53.8	54.8	55.1	56.1	56.5
30.9	39.9	42.2	43.1	46.5	47.8	50.1	53.4	54.4	55.3	56.8	56.9	58.1	58.4	59.4	59.8
31.4	40.5	42.9	43.8	47.3	48.6	51.2	54.7	55.7	56.6	58.2	58.2	59.6	59.9	60.9	61.3
31.5	40.7	43.2	44.1	47.6	49.0	51.6	55.3	56.3	57.3	58.9	59.0	60.3	60.7	61.7	62.1
31.5	40.7	43.2	44.2	47.7	49.0	51.7	55.4	56.4	57.4	59.1	59.1	60.5	60.8	61.8	62.2
32.2	41.8	44.4	45.4	48.9	50.3	53.1	57.2	58.3	59.5	61.2	61.2	62.7	63.0	64.1	64.5
32.9	42.9	45.7	46.7	50.3	51.7	54.7	59.0	60.2	61.5	63.3	63.3	64.8	65.2	66.3	66.8
33.3	44.1	47.1	48.1	52.0	53.5	56.5	61.2	62.4	63.9	65.7	65.8	67.3	67.6	68.8	69.3
33.9	45.2	48.2	49.4	53.3	54.9	58.1	62.8	64.1	65.6	67.5	67.6	69.1	69.5	70.6	71.2
34.5	46.5	49.7	51.0	55.1	56.8	60.3	65.7	67.0	68.6	70.6	70.7	72.5	72.8	74.0	74.5
34.7	46.9	50.2	51.4	55.6	57.3	60.9	66.3	67.7	69.4	71.5	71.6	73.4	73.8	75.0	75.5
34.9	47.5	50.9	52.3	56.7	58.4	62.1	67.7	69.3	71.1	73.5	73.6	75.7	76.0	77.3	77.9
35.0	47.9	51.6	53.1	57.5	59.3	63.1	69.0	70.7	72.6	75.3	75.5	77.6	78.0	79.3	79.9
35.5	48.7	52.4	54.0	58.6	60.4	64.6	70.8	72.6	74.9	77.8	77.9	80.2	80.6	82.0	82.8
35.6	49.0	52.8	54.3	59.1	61.0	65.2	71.6	73.5	75.8	78.9	79.0	81.4	81.9	83.3	84.0
35.7	49.3	53.2	54.9	59.9	62.0	66.4	73.5	75.6	78.0	81.2	81.3	84.0	84.3	86.0	87.0
35.9	49.8	53.8	55.5	60.8	63.0	67.6	75.1	77.2	79.8	83.3	83.4	86.2	86.6	88.4	89.7
36.0	50.2	54.3	56.2	61.7	64.1	68.9	76.6	78.9	81.5	85.2	85.3	88.3	88.7	90.8	92.2
36.0	50.3	54.5	56.4	62.0	64.4	69.5	77.6	80.0	82.9	86.6	86.7	89.8	90.3	92.4	93.8
36.1	50.4	54.6	56.5	62.1	64.6	69.8	78.0	80.5	83.5	87.4	87.5	90.8	91.2	93.4	94.8
36.1	50.5	54.7	56.8	62.6	65.2	70.5	78.8	81.5	84.6	88.9	89.1	92.6	93.0	95.4	97.0
36.1	50.5	54.7	56.9	62.7	65.3	70.6	79.2	81.9	85.1	89.6	89.7	93.6	94.1	96.7	98.6
36.1	50.5	54.7	56.9	62.7	65.3	70.6	79.2	81.9	85.4	89.8	90.0	94.2	94.8	97.7	99.8
36.1	50.5	54.7	56.9	62.7	65.3	70.6	79.2	81.9	85.4	89.8	90.0	94.2	94.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 IIN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

14.3	15.6	16.1	16.2	17.2	17.4	18.0	18.3	18.4	19.5	19.9	19.9	20.0	20.0	21.1	21.3
14.5	16.0	16.6	16.7	17.7	17.9	18.5	18.8	19.0	20.1	20.5	20.5	20.6	20.6	21.7	21.9
14.5	16.0	16.6	16.7	17.7	17.9	18.5	18.8	19.0	20.1	20.5	20.5	20.6	20.6	21.7	21.9
14.5	16.1	16.7	16.8	17.8	18.0	18.6	18.9	19.1	20.2	20.6	20.6	20.7	20.7	21.8	22.0
15.8	17.5	18.1	18.3	19.2	19.5	20.1	20.3	20.6	21.7	22.0	22.0	22.2	22.2	23.3	23.5
15.8	17.8	18.4	18.5	19.5	19.7	20.3	20.6	20.8	21.9	22.3	22.3	22.4	22.4	23.5	23.6
16.1	18.1	18.8	18.9	19.9	20.1	20.7	21.0	21.2	22.3	22.7	22.7	22.8	22.8	23.9	24.1
16.9	19.0	19.6	19.7	20.7	21.0	21.6	21.8	22.0	23.1	23.5	23.5	23.6	23.6	24.7	25.0
18.3	20.5	21.3	21.4	22.4	22.7	23.3	23.5	23.8	24.8	25.2	25.2	25.3	25.3	26.4	26.7
20.1	22.5	23.4	23.5	24.5	24.7	25.5	25.7	25.9	27.0	27.4	27.4	27.5	27.5	28.6	28.9
20.6	23.4	24.5	24.6	25.6	25.8	26.6	26.8	27.0	28.1	28.5	28.5	28.6	28.6	29.7	30.0
21.1	24.6	25.0	26.1	27.0	27.3	28.3	28.5	28.7	30.0	30.3	30.3	30.5	30.5	31.5	31.8
21.7	25.7	26.8	26.9	27.9	28.1	29.1	29.4	29.6	30.8	31.2	31.2	31.3	31.3	32.4	32.6
23.3	27.9	29.2	29.7	30.9	31.2	32.2	32.4	32.6	33.9	34.2	34.2	34.3	34.3	35.4	35.7
25.6	31.5	33.0	33.5	35.0	35.3	36.3	36.5	36.8	38.1	38.6	38.6	39.1	39.1	40.2	40.4
26.4	32.8	34.6	35.1	36.9	37.3	38.2	38.9	39.1	40.4	40.9	40.9	41.4	41.4	42.5	42.8
27.4	34.8	36.8	37.3	39.1	39.5	40.4	41.0	41.3	42.6	43.1	43.1	43.6	43.6	44.7	44.9
28.6	36.8	39.0	39.7	41.7	42.1	43.2	43.8	44.1	45.8	46.3	46.3	46.9	46.9	48.0	48.2
28.7	37.3	40.0	40.7	42.8	43.2	44.3	44.9	45.2	47.3	47.7	47.7	48.4	48.4	49.5	49.7
29.6	39.0	42.0	42.8	44.9	45.4	46.8	47.4	48.5	50.7	51.2	51.2	51.9	51.9	53.0	53.2
30.6	41.0	44.2	44.9	47.3	47.7	49.2	49.8	50.9	53.1	53.6	53.6	54.4	54.4	55.7	55.9
31.3	42.6	46.2	46.9	49.6	50.1	52.1	53.3	54.4	56.8	57.2	57.2	58.2	58.2	59.7	60.0
31.8	43.6	47.1	48.0	50.8	51.9	54.1	55.3	56.4	58.7	59.2	59.2	60.3	60.3	61.8	62.1
31.8	44.1	48.0	49.3	52.4	53.6	56.0	57.4	58.5	61.4	61.9	61.9	63.1	63.1	64.6	64.9
32.3	45.9	50.2	51.5	55.3	56.5	59.0	60.9	62.0	65.3	65.8	65.8	67.0	67.0	68.8	69.3
33.1	47.5	51.8	53.2	57.7	59.0	61.4	63.6	65.0	68.3	68.9	68.9	70.5	70.8	73.4	73.9
33.9	49.0	53.5	55.1	59.6	60.8	63.2	65.5	67.0	70.5	71.1	71.1	72.7	73.0	76.4	77.3
34.1	49.7	54.6	56.4	61.1	62.4	65.0	68.0	69.7	74.1	74.8	74.8	76.4	76.7	81.1	82.5
34.2	50.5	55.8	57.6	62.7	64.1	67.5	70.5	72.4	77.3	79.4	79.5	81.6	82.0	87.3	88.9
34.2	50.5	55.9	58.0	63.2	64.6	68.2	72.2	74.2	79.5	82.3	82.5	86.1	86.6	93.1	95.6
34.2	50.5	55.9	58.0	63.2	64.6	68.2	72.2	74.2	79.7	82.8	82.9	86.7	87.2	95.1	99.3
34.2	50.5	55.9	58.0	63.2	64.6	68.2	72.2	74.2	79.7	82.8	82.9	86.7	87.2	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1170 TIN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

13.9	14.7	15.0	15.2	16.3	16.7	17.4	17.7	17.9	18.8	19.3	19.3	20.0	20.0	21.2	21.6
14.5	15.3	15.7	15.9	17.0	17.4	18.1	18.5	18.6	19.5	20.1	20.1	20.9	20.9	22.1	22.4
14.7	15.7	16.1	16.3	17.4	17.7	18.5	18.8	18.9	19.9	20.5	20.5	21.2	21.2	22.4	22.8
14.7	15.7	16.1	16.3	17.4	17.7	18.5	18.8	18.9	19.9	20.5	20.5	21.2	21.2	22.4	22.8
15.8	16.8	17.1	17.4	18.5	18.8	19.5	19.9	20.0	21.0	21.6	21.6	22.3	22.3	23.5	23.9
15.9	16.9	17.3	17.6	18.8	19.2	19.9	20.3	20.4	21.3	21.9	21.9	22.7	22.7	23.9	24.2
16.2	17.1	17.5	17.9	19.1	19.4	20.1	20.5	20.6	21.6	22.2	22.2	22.9	22.9	24.1	24.5
17.4	18.3	18.7	19.1	20.3	20.6	21.3	21.7	21.8	22.8	23.4	23.4	24.1	24.1	25.3	25.7
18.2	19.7	20.0	20.4	21.6	21.9	22.7	23.3	23.1	24.1	24.7	24.7	25.4	25.4	26.6	27.0
21.2	22.7	23.0	23.4	24.8	25.2	25.9	26.4	26.5	27.5	28.1	28.1	29.0	29.0	30.3	30.7
21.9	23.5	23.9	24.2	25.7	26.0	26.7	27.2	27.3	28.3	28.9	28.9	29.9	29.9	31.2	31.5
22.4	24.2	24.6	24.9	26.4	26.7	27.5	28.1	28.2	29.3	29.9	29.9	30.9	30.9	32.3	32.6
23.3	24.9	25.3	25.7	27.1	27.5	28.3	28.9	29.1	30.2	30.8	30.8	31.9	31.9	33.2	33.6
24.5	26.5	27.2	27.7	29.4	29.7	30.9	31.5	31.8	33.2	33.8	33.8	34.9	34.9	36.2	36.6
27.6	30.8	31.7	32.3	33.9	34.3	35.5	36.1	36.3	37.8	38.4	38.4	39.7	39.7	41.0	41.4
27.9	31.4	32.4	33.5	35.4	35.7	36.9	37.5	37.8	39.2	39.8	39.8	41.2	41.2	42.6	42.9
30.7	35.0	36.1	37.3	39.2	39.6	40.8	41.4	41.6	43.2	43.8	43.8	45.2	45.2	46.5	46.9
31.8	36.5	37.8	39.1	41.5	41.8	43.3	43.9	44.4	45.9	46.5	46.5	48.1	48.1	49.4	49.8
31.9	36.7	38.1	39.6	42.2	42.6	44.0	44.6	45.1	46.6	47.2	47.2	48.8	48.8	50.1	50.5
32.7	37.9	40.0	41.5	44.5	44.8	46.6	47.4	48.3	50.4	51.0	51.0	52.9	52.9	54.7	55.0
33.1	39.4	41.6	43.2	46.3	46.6	48.6	49.4	50.4	52.4	53.0	53.0	55.2	55.2	57.0	57.3
33.6	40.5	42.8	44.6	47.8	48.3	51.0	52.2	53.1	55.2	55.9	55.9	58.0	58.0	60.1	60.4
34.4	41.6	44.1	46.0	49.6	50.1	52.8	54.1	55.0	57.2	58.0	58.0	60.2	60.3	62.2	62.6
34.4	41.8	44.5	46.8	50.7	51.2	54.1	55.6	56.6	58.9	60.1	60.1	62.7	62.8	64.9	65.5
34.4	42.2	45.3	47.8	52.2	52.6	55.6	57.8	58.8	61.4	62.8	62.8	65.6	65.8	67.9	68.7
35.1	43.2	46.5	49.0	54.0	54.4	57.6	60.2	61.5	64.5	66.2	66.2	68.9	69.3	71.5	72.7
35.5	44.0	47.5	50.2	55.6	56.1	59.6	62.2	63.8	67.0	68.9	68.9	71.8	72.2	75.1	76.4
36.0	44.8	48.4	51.4	57.3	58.0	61.9	64.9	66.5	70.6	72.9	72.9	76.0	76.5	80.0	81.8
36.0	45.2	48.9	51.9	58.3	59.0	63.5	66.8	68.6	73.7	76.7	76.7	80.7	81.5	86.3	88.8
36.1	45.3	49.2	52.3	59.1	59.8	64.6	68.1	70.0	75.9	79.3	79.3	84.9	85.7	92.2	96.3
36.1	45.6	49.4	52.5	59.4	60.1	64.9	68.3	70.3	76.4	80.0	80.0	86.1	87.1	94.1	100.0
36.1	45.6	49.4	52.5	59.4	60.1	64.9	68.3	70.3	76.4	80.0	80.0	86.1	87.1	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 834

USAF ETAC 73-81 TIN CITY AFS AK MAY 1973

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-1800

13.0	14.2	14.9	15.1	15.7	16.2	16.8	17.3	17.3	18.1	18.6	18.6	19.2	19.3	20.5	21.4
13.2	14.4	15.1	15.4	16.0	16.4	17.0	17.8	17.8	18.6	19.1	19.1	19.7	19.8	21.1	22.0
14.0	15.2	16.0	16.2	16.8	17.3	17.9	18.6	18.6	19.4	19.9	19.9	20.5	20.6	22.0	22.6
14.3	15.2	16.0	16.2	16.8	17.3	17.9	18.6	18.6	19.4	19.9	19.9	20.5	20.6	22.0	22.6
14.4	15.7	16.6	16.9	17.6	18.1	18.7	19.4	19.4	20.3	20.8	20.8	21.4	21.5	22.8	23.6
14.9	16.2	17.0	17.4	18.1	18.6	19.2	19.9	19.9	20.8	21.2	21.2	21.8	22.0	23.3	24.1
15.6	16.9	17.8	18.1	18.8	19.3	19.9	20.6	20.6	21.5	22.0	22.0	22.6	22.7	24.3	24.8
17.2	18.5	19.3	19.7	20.4	20.9	21.5	22.2	22.2	23.0	23.5	23.5	24.1	24.2	25.6	26.4
19.4	21.0	21.8	22.2	23.0	23.5	24.2	25.0	25.0	25.8	26.3	26.3	27.0	27.1	28.5	29.3
21.6	23.3	24.1	24.5	25.5	25.9	26.7	27.5	27.5	28.6	29.1	29.1	29.9	30.0	31.3	32.3
22.1	23.8	24.6	25.0	26.1	26.5	27.3	28.1	28.1	29.2	29.7	29.7	30.5	30.6	31.9	32.9
22.7	24.4	25.2	25.6	26.7	27.1	27.9	28.7	28.7	29.9	30.5	30.5	31.5	31.6	32.9	33.9
23.3	24.7	25.6	25.9	27.0	27.5	28.2	29.1	29.1	30.3	30.9	30.9	31.8	31.9	33.3	34.2
25.9	27.6	29.2	29.5	30.6	31.1	32.2	33.3	33.3	34.5	35.1	35.1	36.0	36.1	37.5	38.5
27.4	29.5	31.2	31.7	32.9	33.4	34.5	35.3	35.3	36.7	37.3	37.3	38.3	38.4	39.9	41.1
28.9	32.1	34.3	34.6	35.9	36.4	37.7	38.5	38.5	40.0	40.6	40.6	41.5	41.7	43.1	44.3
31.7	34.8	36.9	37.5	38.8	39.3	40.8	41.7	41.7	43.1	43.7	43.7	44.7	44.8	46.2	47.4
32.7	36.6	38.8	39.7	41.9	42.4	44.2	45.7	45.9	47.3	48.1	48.1	49.1	49.2	50.8	52.0
33.0	37.1	39.3	40.3	42.6	43.1	44.9	46.8	46.9	48.4	49.2	49.2	50.2	50.3	51.9	53.1
33.4	37.7	39.9	41.2	43.7	44.3	46.6	49.2	49.5	50.9	51.7	51.7	52.8	52.9	54.5	55.7
34.3	39.1	41.4	43.2	45.7	46.3	48.7	51.6	51.9	53.3	54.1	54.1	55.2	55.3	57.0	58.3
34.5	39.9	42.4	44.2	46.8	47.4	50.1	53.9	54.3	56.1	56.9	56.9	58.0	58.1	59.8	61.1
34.9	40.3	42.9	44.7	47.3	47.9	50.7	54.5	54.9	56.7	57.5	57.5	58.7	58.8	60.5	61.8
35.1	40.9	44.2	46.1	49.2	49.9	52.7	56.9	57.3	59.1	60.7	60.7	62.5	62.7	64.3	65.8
35.2	41.4	44.8	46.8	49.9	50.8	53.9	58.2	58.6	60.6	62.7	62.7	64.5	64.6	66.5	68.1
35.9	43.1	46.7	48.9	52.2	53.1	56.3	61.0	61.7	64.0	66.9	66.9	68.9	69.0	71.3	72.9
36.9	44.7	48.4	50.7	54.3	55.1	58.7	63.4	64.3	66.7	69.6	69.7	71.9	72.1	74.9	76.7
37.3	45.7	49.7	52.0	55.6	56.4	60.5	66.5	67.5	70.7	73.6	73.8	76.6	77.1	80.2	82.2
38.1	46.8	50.9	53.4	57.5	58.7	63.6	69.9	71.2	74.7	79.5	79.7	83.3	84.2	88.6	91.2
38.1	46.9	51.1	53.5	57.6	58.8	64.1	70.8	72.6	76.7	82.4	82.6	86.7	87.5	93.6	97.5
38.1	46.9	51.0	53.5	57.6	58.8	64.1	70.8	72.6	76.7	82.5	82.7	86.9	87.9	94.4	100.0
38.1	46.9	51.0	53.5	57.6	58.8	64.1	70.8	72.6	76.7	82.5	82.7	86.9	87.9	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 170 TTN CITY AFS AK

73-81

MAY

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

14.6	15.7	16.4	16.6	16.7	16.9	17.5	18.1	18.2	18.8	19.1	19.1	19.5	19.7	20.7	21.2
15.1	16.1	16.9	17.1	17.2	17.3	17.9	18.5	18.8	19.4	19.7	19.7	20.2	20.5	21.4	21.9
15.8	17.0	17.7	17.9	18.3	18.4	19.0	19.6	19.9	20.5	20.8	20.8	21.3	21.5	22.5	23.0
15.9	17.1	17.8	18.1	18.4	18.5	19.1	19.7	20.3	20.6	20.9	20.9	21.4	21.7	22.6	23.1
16.9	18.2	19.0	19.3	19.6	19.7	20.3	20.9	21.2	21.8	22.1	22.1	22.6	22.8	23.8	24.3
17.7	19.0	19.9	20.1	20.5	20.6	21.2	21.8	22.0	22.6	23.0	23.0	23.4	23.7	24.6	25.1
18.3	19.6	20.5	20.7	21.1	21.2	21.8	22.4	22.6	23.2	23.6	23.6	24.0	24.3	25.2	25.7
19.6	20.9	21.5	22.0	22.4	22.5	23.1	23.7	23.9	24.5	24.9	24.9	25.4	25.6	26.6	27.0
21.3	23.1	23.9	24.2	24.5	24.6	25.2	25.8	26.3	26.9	27.5	27.5	28.0	28.2	29.2	29.7
24.0	26.1	27.0	27.3	27.8	27.9	28.5	29.1	29.5	30.1	30.7	30.7	31.2	31.5	32.4	32.9
24.8	26.8	27.9	28.1	28.6	28.7	29.3	29.9	30.4	31.0	31.6	31.6	32.1	32.3	33.3	33.7
25.7	27.9	28.9	29.2	30.0	30.1	30.9	31.5	31.9	32.5	33.1	33.1	33.6	33.9	34.9	35.3
26.2	28.3	29.4	29.7	30.5	30.6	31.3	31.9	32.4	33.1	33.7	33.7	34.2	34.4	35.4	35.9
27.9	30.1	31.6	31.8	32.8	32.9	33.6	34.2	34.7	35.4	36.0	36.0	36.5	36.7	37.7	38.2
30.0	32.5	34.1	34.3	35.3	35.4	36.1	36.7	37.2	37.9	38.5	38.5	39.0	39.2	40.2	40.7
30.9	33.6	35.3	35.5	37.0	37.1	37.9	38.5	39.0	39.7	40.3	40.3	40.8	41.0	42.0	42.5
31.7	34.7	36.6	37.1	38.5	38.9	39.8	40.4	40.9	41.6	42.2	42.2	42.7	42.9	43.9	44.4
34.1	36.4	41.0	41.7	43.3	43.7	44.7	45.8	46.3	47.1	48.1	48.2	48.8	49.0	50.0	50.6
34.4	38.9	41.5	42.2	43.8	44.1	45.6	46.7	47.1	48.0	48.9	49.0	49.9	50.1	51.1	51.7
34.6	39.6	42.5	43.2	44.9	45.2	47.4	48.4	48.9	49.8	50.7	50.8	51.7	51.9	52.9	53.5
35.9	41.3	44.3	45.1	47.1	47.5	49.9	51.6	52.0	53.0	53.9	54.1	54.9	55.1	56.1	56.7
36.5	42.6	45.9	46.8	48.9	49.5	52.2	54.8	55.5	56.6	57.5	57.7	58.5	58.7	59.7	60.3
37.0	43.5	47.0	47.8	50.0	50.7	53.3	56.0	56.8	57.0	59.2	59.3	60.2	60.4	61.4	62.0
37.8	45.2	48.8	50.1	52.5	53.2	56.1	59.0	59.8	60.0	62.6	62.7	63.5	63.8	64.7	65.3
38.2	45.8	49.6	51.1	53.6	54.7	57.5	60.5	61.4	62.4	64.8	65.0	65.8	66.0	67.0	67.7
39.8	48.1	51.9	53.5	56.2	57.3	60.4	63.5	64.5	66.0	68.7	68.8	70.2	70.5	71.5	72.2
40.6	49.2	53.0	54.5	58.0	59.4	62.8	66.0	67.0	68.9	71.5	71.7	73.6	73.9	75.0	76.1
40.8	49.9	53.9	55.9	59.8	61.5	65.1	69.3	70.7	73.4	76.3	76.4	78.8	79.2	80.7	82.2
41.7	51.3	55.6	57.9	62.3	64.5	69.1	74.5	76.1	79.1	83.4	83.5	87.2	87.7	90.1	92.0
41.7	51.3	55.9	58.3	62.9	65.2	70.5	77.4	78.9	82.1	86.7	87.1	91.3	92.0	95.6	98.3
41.7	51.3	55.9	58.3	62.9	65.2	70.5	77.4	78.9	82.1	87.0	87.3	91.7	92.5	96.3	100.0
41.7	51.3	55.9	58.3	62.9	65.2	70.5	77.4	78.9	82.1	87.0	87.3	91.7	92.5	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

16.8	17.9	18.5	18.8	19.4	19.8	20.0	20.0	20.0	20.0	20.6	20.6	20.9	21.0	22.3	22.5
17.4	18.5	19.1	19.5	20.3	20.6	20.9	20.9	20.9	20.9	21.5	21.5	21.7	21.8	23.1	23.4
17.7	19.1	19.8	20.3	21.2	21.6	21.9	21.9	21.9	21.9	22.5	22.5	22.8	22.9	24.2	24.5
17.7	19.1	19.8	20.3	21.2	21.6	21.9	21.9	21.9	21.9	22.5	22.5	22.8	22.9	24.2	24.5
19.2	20.5	21.2	21.7	22.7	23.0	23.4	23.4	23.4	23.4	24.0	24.0	24.2	24.3	25.7	25.9
20.4	21.7	22.4	22.9	23.9	24.2	24.6	24.6	24.6	24.6	25.2	25.2	25.4	25.5	26.9	27.1
20.7	22.1	22.8	23.3	24.2	24.6	24.9	24.9	24.9	24.9	25.5	25.5	25.8	25.9	27.2	27.5
21.9	23.3	24.7	24.5	25.4	25.8	26.1	26.1	26.1	26.1	26.7	26.7	27.0	27.1	28.4	28.7
23.9	25.4	26.1	26.9	27.8	28.2	28.5	28.5	28.5	28.5	29.1	29.1	29.6	29.7	31.2	31.4
25.4	27.3	28.1	28.9	29.9	30.2	30.7	30.7	30.8	31.1	31.7	31.7	32.1	32.3	33.7	33.9
26.4	28.4	29.3	30.1	31.1	31.4	31.9	31.9	32.0	32.3	32.9	32.9	33.3	33.5	34.9	35.1
27.5	29.6	30.5	31.3	32.3	32.6	33.1	33.1	33.2	33.5	34.1	34.1	34.5	34.7	36.1	36.3
27.9	30.1	31.1	31.9	32.9	33.2	33.7	33.7	33.8	34.1	34.7	34.7	35.1	35.3	36.7	36.9
29.0	31.2	32.5	33.5	34.7	35.0	35.5	35.5	35.6	35.9	36.5	36.5	36.9	37.1	38.5	38.7
30.5	33.0	34.4	35.4	36.8	37.2	37.8	38.0	38.1	38.4	39.0	39.0	39.6	39.7	41.1	41.4
32.1	34.9	36.5	37.5	39.3	39.7	40.3	40.5	40.6	40.9	41.5	41.5	42.1	42.2	43.6	43.9
34.3	37.9	40.0	41.5	43.3	43.8	44.4	44.7	44.8	45.1	45.7	45.7	46.3	46.4	47.8	48.1
36.8	41.5	43.6	45.4	47.4	48.0	48.8	49.3	49.6	50.0	50.6	50.6	51.2	51.3	52.4	53.0
37.1	41.8	44.0	45.8	47.7	48.3	49.2	49.6	50.0	50.4	51.0	51.0	51.7	51.8	53.2	53.5
38.0	43.5	46.0	48.1	50.1	50.8	51.8	52.3	52.6	53.0	53.6	53.6	54.3	54.6	56.2	56.5
38.6	44.5	47.1	49.2	51.6	52.3	53.4	54.4	54.9	55.5	56.1	56.1	57.1	57.3	59.0	59.2
39.8	45.9	48.7	50.8	54.0	54.8	56.2	57.7	58.2	58.9	59.5	59.5	60.4	60.7	62.5	62.7
40.2	46.5	49.4	51.7	54.9	55.8	57.4	58.9	59.5	60.2	60.9	60.9	61.9	62.1	63.9	64.1
41.0	46.4	51.6	54.0	57.6	58.5	60.3	61.8	62.7	63.4	64.4	64.4	65.3	65.6	67.4	67.6
41.6	49.4	52.8	55.4	59.4	60.7	62.5	63.9	64.9	65.6	66.7	66.7	67.9	68.1	69.9	70.1
42.2	50.2	53.6	56.2	61.0	62.4	64.4	66.4	67.4	68.2	69.7	69.7	71.2	71.5	73.4	73.6
43.3	51.9	55.3	57.9	63.1	64.9	66.9	69.2	70.1	71.0	72.5	72.5	74.1	74.3	76.7	77.0
43.6	53.7	57.2	60.2	65.5	67.7	70.9	73.5	74.5	75.8	77.7	77.7	79.4	79.7	82.6	82.9
44.2	55.0	58.6	61.9	68.0	70.9	75.8	79.3	80.3	82.3	84.5	84.5	87.1	87.4	90.9	91.2
44.2	55.0	58.6	61.9	68.0	71.1	76.9	81.7	82.9	85.3	88.2	88.2	91.4	91.8	96.2	96.8
44.2	55.0	58.6	61.9	68.0	71.1	76.9	81.8	83.0	85.6	88.7	88.7	92.0	92.6	97.6	99.5
44.2	55.0	58.6	61.9	68.0	71.1	76.9	81.8	83.0	85.6	88.7	88.7	92.0	92.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
CMAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1171 TIV CITY AFS AR

73-81

MAY

PERCENT FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

18.5	19.6	19.6	19.7	20.1	20.3	20.7	20.7	20.7	21.0	21.2	21.5	22.0	22.2	23.3	23.7
19.4	20.7	20.7	20.8	21.2	21.5	21.8	21.8	21.8	22.1	22.3	22.6	23.1	23.3	24.4	24.6
19.7	21.2	21.3	21.5	22.0	22.2	22.7	22.7	22.7	23.0	23.2	23.4	23.9	24.2	25.3	25.7
19.9	21.3	21.5	21.6	22.1	22.3	22.8	22.8	22.8	23.1	23.3	23.6	24.1	24.3	25.4	25.8
20.8	22.3	22.6	22.7	23.2	23.4	23.9	23.9	23.9	24.2	24.4	24.7	25.2	25.4	26.6	26.9
21.2	22.7	23.0	23.1	23.6	23.8	24.3	24.3	24.3	24.6	24.8	25.1	25.6	25.8	26.9	27.3
21.3	23.0	23.2	23.3	23.8	24.1	24.6	24.6	24.6	24.8	25.1	25.3	25.8	26.1	27.2	27.5
22.1	23.7	23.9	24.1	24.6	24.8	25.3	25.3	25.3	25.6	25.8	26.1	26.6	26.6	27.9	28.3
23.3	24.9	25.2	25.3	26.1	26.3	26.8	26.8	26.8	27.0	27.3	27.5	28.0	28.3	29.5	29.9
26.3	28.0	28.3	28.4	29.2	29.4	29.9	29.9	29.9	30.3	30.5	30.8	31.3	31.5	32.8	33.1
27.3	29.4	29.7	29.8	30.5	30.9	31.5	31.5	31.5	31.9	32.1	32.4	32.9	33.1	34.4	34.7
28.8	31.0	31.3	31.5	32.3	32.6	33.3	33.3	33.3	33.6	33.9	34.1	34.6	34.9	36.1	36.5
28.8	31.0	31.3	31.8	32.6	33.0	33.6	33.6	33.6	34.0	34.2	34.5	35.0	35.2	36.5	36.8
29.8	32.8	33.7	33.5	34.5	34.9	35.5	35.5	35.5	35.9	36.1	36.4	36.8	37.1	38.3	38.7
32.4	35.5	35.9	36.5	37.6	38.0	38.6	38.6	38.6	39.0	39.3	39.6	40.1	40.3	41.7	42.1
34.0	37.1	37.6	38.2	39.3	39.7	40.3	40.3	40.3	40.7	41.1	41.3	41.8	42.1	43.4	43.8
35.7	39.7	40.7	41.6	42.8	43.3	44.2	44.2	44.2	44.5	44.9	45.2	45.7	45.9	47.3	47.6
35.7	43.8	44.9	45.8	47.0	47.5	48.5	48.5	48.6	49.1	49.5	49.8	50.2	50.5	51.9	52.2
39.3	44.9	46.7	46.9	48.3	48.8	49.8	49.8	49.9	50.4	50.7	51.0	51.5	51.7	53.1	53.5
40.4	46.3	47.6	48.5	50.0	50.6	51.6	51.6	51.7	52.2	52.6	52.9	53.5	53.7	55.1	55.5
41.4	47.6	49.7	50.0	52.0	52.7	53.8	54.1	54.5	55.0	55.3	55.6	56.5	56.8	58.6	58.9
41.9	48.1	49.6	50.9	53.2	54.0	55.1	55.3	55.7	56.2	56.6	56.8	57.8	58.2	60.2	60.7
42.1	48.4	49.9	51.1	53.5	54.3	55.7	56.0	56.3	56.8	57.2	57.4	58.4	58.8	60.8	61.3
43.5	51.1	53.1	54.5	57.1	57.9	59.3	59.8	60.2	61.0	61.4	61.7	62.7	63.7	65.0	65.5
44.9	53.6	55.7	57.1	59.7	60.9	62.3	63.3	63.8	64.8	65.1	65.4	66.7	67.1	69.1	69.6
45.7	55.1	57.8	59.2	62.7	64.5	66.0	67.0	67.5	68.5	69.7	69.5	71.3	71.7	73.8	74.3
46.7	56.2	59.1	60.9	65.0	66.9	68.4	69.9	70.3	71.3	72.1	72.3	74.3	74.7	77.4	78.2
47.1	57.3	60.3	62.2	66.7	69.0	71.8	73.6	74.1	75.1	75.9	76.2	78.4	78.8	81.6	82.4
47.4	58.4	61.5	63.8	69.4	71.7	75.9	78.9	79.5	80.9	82.1	82.4	85.0	85.4	88.5	89.3
47.4	59.1	62.3	64.6	70.5	73.2	78.2	82.1	82.9	85.1	86.6	86.8	90.6	91.2	95.8	96.8
47.4	59.1	62.3	64.6	70.5	73.2	78.2	82.1	82.9	85.5	87.0	87.2	91.2	91.8	96.9	99.3
47.4	59.1	62.3	64.6	70.5	73.2	78.2	82.1	82.9	85.5	87.0	87.2	91.2	91.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 976

UNCLASSIFIED

TIN CITY AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83
USAFETAC/DS/83/017 SBI-AD-E850 395 F/G 4/2

NL

F/G 4/2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TIN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

16.1	16.5	16.5	16.7	16.7	17.0	17.0	17.5	17.7	17.7	18.4	18.4	18.7	18.9	19.8	20.4
16.7	17.4	17.4	17.5	17.5	17.8	17.8	18.4	18.5	18.5	19.2	19.2	19.8	20.1	20.9	21.5
17.5	18.2	18.2	18.4	18.4	18.7	18.7	19.2	19.4	19.4	20.1	20.1	20.7	20.9	21.8	22.4
17.7	18.4	18.4	18.5	18.5	18.8	18.8	19.4	19.5	19.5	20.2	20.2	20.8	21.1	21.9	22.5
19.8	19.5	19.5	19.7	19.7	19.9	19.9	20.5	20.7	20.7	21.4	21.4	21.9	22.2	23.1	23.6
19.8	20.5	20.5	20.7	20.7	20.9	20.9	21.5	21.7	21.7	22.4	22.4	22.9	23.2	24.1	24.6
19.8	20.8	20.8	20.9	20.9	21.2	21.2	21.8	21.9	21.9	22.6	22.6	23.2	23.5	24.4	24.9
20.7	21.7	21.8	21.9	21.9	22.2	22.2	22.8	22.9	22.9	23.6	23.6	24.2	24.5	25.4	25.9
22.8	23.9	24.1	24.2	24.5	24.8	24.8	25.4	25.5	25.5	26.4	26.4	26.9	27.2	28.1	28.6
25.8	26.9	27.1	27.2	27.5	27.8	27.8	28.5	28.6	28.6	29.5	29.5	30.2	30.5	31.3	31.9
26.9	28.2	28.5	28.8	29.2	29.5	29.8	30.5	30.6	30.6	31.5	31.5	32.5	32.8	33.6	34.2
27.9	29.3	29.6	30.1	30.5	30.8	31.1	32.1	32.2	32.2	33.2	33.2	34.2	34.5	35.3	35.9
27.9	29.5	29.8	30.3	30.8	31.1	31.3	32.3	32.5	32.5	33.5	33.5	34.5	34.8	35.6	36.2
29.3	31.2	31.8	32.8	33.3	33.6	33.9	34.9	35.0	35.0	36.0	36.0	37.0	37.3	38.2	38.7
31.5	33.8	34.5	35.5	36.2	36.5	36.9	37.9	38.0	38.0	39.0	39.0	40.0	40.3	41.5	42.0
32.6	34.9	35.6	36.6	37.5	37.7	38.2	39.2	39.3	39.3	40.3	40.3	41.3	41.6	42.7	43.3
33.5	36.9	37.9	38.9	39.7	40.2	40.6	41.6	41.7	41.7	42.7	42.7	43.7	44.0	45.2	45.7
35.3	39.9	41.2	42.3	43.3	43.7	44.2	45.2	45.6	45.6	46.6	46.6	47.6	47.9	49.0	49.6
36.9	41.5	42.7	43.9	45.0	45.4	45.9	46.9	47.3	47.3	48.3	48.3	49.3	49.6	50.7	51.3
39.3	44.0	45.3	46.4	48.0	48.6	49.0	50.0	50.4	50.6	51.6	51.6	52.6	52.8	54.0	54.6
40.0	45.3	46.6	47.7	49.9	50.4	50.9	52.0	52.4	52.7	53.7	53.7	54.8	55.3	56.8	57.4
41.2	46.4	47.9	49.0	51.7	52.4	53.0	54.1	54.6	55.0	56.1	56.1	57.3	57.8	59.4	60.1
41.9	47.3	48.7	49.9	52.6	53.3	53.8	55.0	55.4	55.8	57.0	57.0	58.1	58.7	60.3	61.0
43.3	49.1	50.9	52.6	55.4	56.1	56.7	58.3	58.7	59.1	60.3	60.3	61.4	62.0	63.5	64.2
45.3	51.7	53.6	55.6	58.4	59.1	60.0	61.7	62.1	62.5	63.7	63.7	64.8	65.4	67.1	67.8
47.2	54.0	56.3	58.4	61.7	62.7	63.7	65.4	66.0	66.4	67.9	67.9	69.0	70.7	72.6	73.5
48.3	56.1	58.7	61.3	64.7	65.7	66.8	68.9	69.5	70.1	71.8	71.8	73.9	74.8	77.1	78.3
48.7	57.8	60.4	63.0	66.5	67.7	68.8	70.9	71.5	72.1	73.9	73.9	76.1	76.9	79.3	80.9
49.0	58.7	61.3	63.8	68.2	69.4	71.2	73.9	74.5	75.6	77.9	77.9	81.1	82.1	85.0	86.8
49.0	58.7	61.4	64.0	68.7	69.9	72.4	75.9	76.5	78.8	81.8	81.8	86.5	87.9	92.6	94.9
49.0	58.7	61.4	64.0	68.7	69.9	72.4	75.9	76.5	79.2	82.8	82.8	87.7	89.6	95.3	99.3
49.0	58.7	61.4	64.0	68.7	69.9	72.4	75.9	76.5	79.2	82.8	82.8	87.7	89.6	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 702

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 JUL 70 TUN CITY AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

15.3	15.8	16.0	16.1	16.7	16.9	16.9	17.1	17.2	17.4	17.4	17.4	17.6	17.6	18.7	18.9
16.1	16.7	16.8	16.9	17.5	17.8	17.8	17.9	18.0	18.2	18.2	18.2	18.6	18.6	19.7	20.0
16.7	17.2	17.4	17.5	18.2	18.5	18.5	18.6	18.7	18.9	18.9	18.9	19.4	19.4	20.7	20.9
16.7	17.2	17.4	17.5	18.2	18.5	18.5	18.6	18.7	18.9	18.9	18.9	19.4	19.4	20.7	20.9
18.5	19.0	19.1	19.3	20.0	20.2	20.2	20.4	20.5	20.7	20.7	20.7	21.2	21.2	22.5	22.7
18.6	19.1	19.3	19.4	20.1	20.4	20.4	20.5	20.7	20.8	20.8	20.8	21.3	21.3	22.6	22.9
16.7	19.3	19.4	19.6	20.2	20.5	20.5	20.7	20.8	20.9	20.9	20.9	21.5	21.5	22.7	23.0
19.8	20.4	20.5	20.7	21.3	21.6	21.6	21.8	21.9	22.0	22.0	22.0	22.6	22.6	23.8	24.1
21.5	22.5	22.6	22.7	23.4	23.7	23.8	24.0	24.1	24.2	24.4	24.4	24.9	24.9	26.2	26.4
23.7	24.8	24.9	25.3	26.0	26.3	26.4	26.6	26.7	26.9	27.0	27.0	27.5	27.5	28.8	29.1
24.5	25.9	26.0	26.4	27.4	27.7	27.8	28.0	28.1	28.2	28.4	28.4	28.9	28.9	30.2	30.4
25.5	27.1	27.3	27.7	28.7	28.9	29.2	29.3	29.8	29.9	30.0	30.0	30.7	30.7	32.0	32.2
26.3	28.2	28.7	29.2	30.3	30.6	30.9	31.0	31.4	31.5	31.7	31.7	32.4	32.4	33.6	33.9
28.7	30.9	31.5	32.4	33.5	34.2	34.6	34.7	35.1	35.3	35.4	35.4	36.1	36.1	37.3	37.6
30.3	33.2	34.0	34.8	36.0	36.6	37.1	37.2	37.6	37.7	38.0	38.0	38.7	38.7	39.9	40.2
31.1	34.2	35.7	36.5	37.6	38.3	38.7	39.0	39.4	39.5	39.8	39.8	40.5	40.5	41.7	42.0
32.0	36.1	37.6	38.4	39.5	40.2	40.6	40.9	41.3	41.5	41.7	41.7	42.4	42.4	43.7	43.9
33.3	38.4	40.2	41.3	42.6	43.3	43.7	43.9	44.5	44.8	45.0	45.0	45.7	45.7	47.0	47.2
33.6	39.1	40.9	42.0	43.3	43.9	44.4	45.0	45.6	45.9	46.1	46.1	46.8	46.8	48.1	48.3
35.5	41.6	43.5	44.6	46.4	47.1	47.5	48.3	49.3	49.7	50.0	50.0	50.7	50.7	51.9	52.2
37.2	43.9	45.9	47.0	48.8	49.4	49.9	50.7	51.8	52.2	52.5	52.5	53.2	53.2	54.8	55.1
38.7	46.4	48.5	49.7	51.7	52.3	53.3	54.4	55.5	55.9	56.3	56.3	57.0	57.2	58.8	59.1
39.7	47.9	50.0	51.2	53.2	54.1	55.1	56.2	57.3	57.7	58.1	58.1	58.8	59.0	60.6	60.9
40.5	49.0	51.5	53.4	55.5	56.6	57.7	59.6	60.7	61.6	62.3	62.3	62.9	63.1	64.7	65.0
40.9	49.9	52.5	54.4	56.5	57.6	59.1	61.6	62.8	63.6	64.6	64.6	65.7	65.8	67.6	67.9
42.6	53.0	55.8	57.7	59.9	61.0	62.5	65.6	67.2	68.2	69.3	69.3	70.8	70.9	73.1	73.4
43.1	54.8	58.0	59.9	62.7	63.8	65.4	68.5	70.1	71.1	72.2	72.2	73.8	74.0	76.6	77.7
43.3	55.9	59.1	61.0	63.9	65.0	66.8	70.0	71.6	73.0	74.2	74.2	76.0	76.2	79.2	80.6
43.5	57.4	61.2	63.8	66.7	67.9	70.0	73.4	75.1	76.9	79.2	79.2	81.7	81.8	85.5	86.9
43.5	57.6	61.3	63.9	66.8	68.0	71.1	74.7	76.3	76.7	81.3	81.3	84.8	85.3	90.2	92.6
43.7	57.9	61.6	64.2	67.1	68.3	71.3	74.9	76.6	78.9	82.2	82.2	86.5	87.1	93.9	99.2
43.7	57.9	61.6	64.2	67.1	68.3	71.3	74.9	76.6	78.9	82.2	82.2	86.5	87.1	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 726

USAF ETAC 73-81 TUN CITY AFS AK MAY 70

GLOBAL CLIMATOLOGY BRANCH
USAF LTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TIA CITY AFS AK

73-81

444

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

15.3	16.2	16.6	16.8	17.4	17.7	18.1	18.4	18.4	18.9	19.4	19.4	19.8	19.9	21.7	21.4
15.8	16.9	17.3	17.5	18.1	18.4	18.8	19.1	19.2	19.7	20.1	20.2	20.6	20.7	21.9	22.3
16.3	17.4	17.9	18.1	18.7	19.0	19.5	19.8	19.9	20.4	20.8	20.9	21.3	21.5	22.6	23.0
16.3	17.5	17.9	18.1	18.8	19.1	19.5	19.9	20.0	20.5	20.9	20.9	21.4	21.5	22.7	23.1
17.5	16.7	19.1	19.4	20.1	20.4	20.8	21.1	21.2	21.7	22.2	22.2	22.7	22.8	23.9	24.3
18.7	19.2	19.7	19.9	20.6	20.9	21.4	21.7	21.8	22.3	22.7	22.8	23.2	23.4	24.5	24.9
18.3	19.6	20.1	20.3	21.0	21.3	21.7	22.1	22.2	22.7	23.1	23.1	23.6	23.7	24.9	25.3
19.4	20.7	21.2	21.4	22.1	22.4	22.9	23.2	23.3	23.8	24.2	24.3	24.7	24.9	26.0	26.4
21.0	22.6	23.1	23.4	24.2	24.5	24.9	25.3	25.4	25.9	26.4	26.4	26.9	27.1	28.2	28.7
23.5	25.2	25.7	26.0	26.9	27.2	27.7	28.1	28.2	28.8	29.3	29.3	29.9	30.0	31.2	31.6
24.2	26.1	26.8	27.1	28.0	28.3	28.8	29.2	29.4	30.0	30.4	30.5	31.1	31.2	32.4	32.8
25.1	27.3	27.9	28.3	29.2	29.5	30.1	30.5	30.7	31.4	31.9	31.9	32.6	32.7	33.9	34.3
25.5	27.8	28.4	28.9	29.8	30.2	30.8	31.2	31.4	32.1	32.6	32.6	33.3	33.4	34.6	35.0
27.2	29.7	30.7	31.3	32.4	32.8	33.5	33.9	34.1	34.9	35.4	35.4	36.1	36.2	37.4	37.8
29.3	32.4	33.6	34.2	35.4	35.8	36.6	37.0	37.2	38.0	38.5	38.5	39.3	39.4	40.7	41.1
30.4	33.8	35.2	35.9	37.3	37.7	38.5	39.0	39.3	40.0	40.6	40.6	41.3	41.5	42.7	43.2
32.1	36.2	37.8	38.7	40.1	40.6	41.5	42.0	42.2	43.0	43.5	43.6	44.3	44.4	45.7	46.2
33.9	39.0	40.8	41.9	43.6	44.1	45.1	45.8	46.2	47.0	47.7	47.7	48.5	48.6	49.9	50.4
34.3	39.6	41.5	42.6	44.4	44.9	46.0	46.8	47.2	48.1	48.7	48.7	49.6	49.7	51.0	51.5
35.4	41.1	43.3	44.5	46.5	47.1	48.4	49.3	49.9	50.9	51.6	51.6	52.6	52.7	54.1	54.6
36.3	42.7	44.9	46.2	48.5	49.1	50.5	51.7	52.3	53.4	54.1	54.1	55.2	55.4	56.9	57.4
37.1	44.0	46.4	47.8	50.4	51.0	52.8	54.5	55.2	56.4	57.0	57.1	58.2	58.4	60.0	60.6
37.6	44.8	47.3	48.7	51.4	52.2	54.1	55.7	56.5	57.7	58.4	58.5	59.6	59.8	61.5	62.0
38.3	46.1	49.0	50.8	53.7	54.6	56.6	58.5	59.3	60.7	61.7	61.8	63.1	63.3	64.9	65.5
38.9	47.3	50.4	52.3	55.5	56.5	58.7	61.0	61.7	63.3	64.5	64.6	66.0	66.3	68.0	68.7
40.0	49.1	52.4	54.4	58.1	59.2	61.5	64.0	65.0	66.7	68.3	68.4	70.2	70.5	72.6	73.3
40.8	50.5	54.0	56.1	60.2	61.4	63.9	66.6	67.7	69.5	71.2	71.3	73.2	73.6	76.1	77.2
41.2	51.7	55.3	57.6	61.9	63.3	66.3	69.5	70.7	73.1	75.0	75.0	77.3	77.7	80.6	82.0
41.6	52.7	56.5	59.1	64.0	65.6	69.5	73.4	74.7	77.6	80.4	80.5	83.5	84.1	87.9	89.5
41.6	52.8	56.8	59.4	64.5	66.2	70.7	75.3	76.8	80.3	83.6	83.8	87.8	88.6	93.7	96.2
41.6	52.9	56.8	59.4	64.5	66.3	70.7	75.4	76.9	80.5	84.2	84.3	88.7	89.5	95.5	99.6
41.6	52.9	56.8	59.4	64.5	66.3	70.7	75.4	76.9	80.5	84.2	84.3	88.7	89.5	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

JUN

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-3200

21.1	23.0	23.2	23.4	23.6	23.7	23.7	24.1	24.4	24.7	25.1	25.1	25.3	25.3	25.5	26.0
21.9	23.7	24.7	24.3	24.5	24.7	24.9	25.3	25.6	25.9	26.6	26.6	26.9	26.9	27.2	27.7
22.6	24.4	24.7	24.9	25.2	25.3	25.6	26.0	26.3	26.5	27.3	27.3	27.6	27.6	27.8	28.4
22.8	24.7	24.9	25.2	25.5	25.6	25.9	26.3	26.5	26.8	27.6	27.6	27.8	27.8	28.1	28.6
23.1	24.9	25.2	25.5	25.7	25.9	26.1	26.5	25.9	27.0	27.8	27.8	28.2	28.2	28.5	29.2
23.1	25.2	25.5	25.7	26.0	26.1	26.4	26.8	27.0	27.3	28.1	28.1	28.5	28.5	28.8	29.4
23.1	25.2	25.5	25.7	26.0	26.1	26.4	26.8	27.0	27.3	28.1	28.1	28.5	28.5	28.8	29.4
23.2	25.5	25.7	26.0	26.3	26.4	26.6	27.0	27.3	27.6	28.4	28.4	28.8	28.8	29.0	29.7
25.7	28.1	28.4	28.6	28.9	29.0	29.3	29.7	29.9	30.2	31.0	31.0	31.5	31.5	31.8	32.5
26.6	29.0	29.3	29.8	30.1	30.2	30.5	30.9	31.1	31.4	32.3	32.3	33.0	33.0	33.2	33.9
26.6	29.0	29.3	29.8	30.1	30.2	30.5	30.9	31.1	31.4	32.5	32.5	33.1	33.1	33.4	34.0
26.9	29.3	29.6	30.1	30.5	30.6	30.9	31.3	31.5	31.8	33.1	33.1	33.8	33.8	34.0	34.7
27.0	29.4	29.7	30.2	30.6	30.7	31.0	31.4	31.7	31.9	33.2	33.2	33.9	33.9	34.2	34.8
29.2	31.5	31.8	32.3	32.7	32.8	33.1	33.5	33.8	34.0	35.4	35.4	36.0	36.0	36.3	36.9
31.9	34.7	35.2	35.8	36.3	36.4	36.7	37.1	37.3	37.6	38.9	38.9	39.6	39.6	39.8	40.5
33.2	36.0	36.5	37.1	38.0	38.1	38.4	38.8	39.1	39.3	40.6	40.6	41.3	41.3	41.6	42.2
34.2	37.2	37.7	38.3	39.3	39.4	39.7	40.1	40.4	40.6	42.0	42.0	42.6	42.6	42.9	43.5
35.6	38.7	39.3	39.8	41.0	41.2	41.4	41.8	42.1	42.3	43.7	43.7	44.3	44.3	44.6	45.3
35.6	38.7	39.4	40.0	41.4	41.6	41.8	42.2	42.5	42.7	44.1	44.1	44.7	44.7	45.0	45.6
36.7	40.5	41.4	42.2	44.1	44.2	44.6	45.0	45.3	45.5	46.8	46.8	47.5	47.5	47.8	48.4
36.9	40.8	41.7	42.5	44.3	44.5	45.0	45.4	45.6	45.9	47.2	47.2	47.9	47.9	48.2	48.8
37.9	42.0	42.9	43.8	45.8	45.9	46.7	47.1	47.4	47.6	48.9	48.9	49.6	49.6	49.9	50.5
38.3	42.3	43.3	44.3	46.3	46.6	47.4	47.8	48.0	48.3	49.6	49.6	50.3	50.3	50.5	51.2
38.7	43.3	44.5	45.6	47.8	48.0	48.8	49.5	49.7	50.1	51.5	51.5	52.1	52.1	52.4	53.0
39.3	44.5	45.9	47.5	50.0	50.3	51.2	52.0	52.2	52.6	54.0	54.0	54.6	54.6	54.9	55.5
40.6	46.3	47.9	49.7	52.6	52.9	53.8	54.7	55.0	55.4	56.7	56.7	57.8	57.8	58.6	59.2
40.8	46.6	48.3	50.1	53.2	53.6	54.6	55.8	56.2	56.6	58.0	58.2	59.4	59.5	60.4	61.3
41.3	47.4	49.2	51.2	54.2	54.6	56.1	58.0	58.4	58.8	60.3	60.6	61.9	62.0	62.9	63.9
41.6	48.2	50.1	52.1	55.1	55.7	57.9	60.3	60.7	61.3	63.2	63.5	65.4	65.7	66.9	68.9
41.8	49.3	51.6	53.7	57.4	58.2	60.7	63.5	64.1	64.9	67.3	67.5	70.7	71.0	74.4	81.7
41.8	49.3	51.7	54.0	57.7	58.4	61.2	64.0	64.6	65.6	68.3	68.6	72.6	73.0	78.8	93.8
41.8	49.3	51.7	54.0	57.7	58.4	61.2	64.0	64.6	65.6	68.3	68.6	72.6	73.0	78.8	100.0

TOTAL NUMBER OF OBSERVATIONS 758

#

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1170 TIN CITY AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR - OBSERVATIONS

0300-0500

20.3	22.1	22.2	22.5	22.6	22.9	23.1	23.6	23.6	23.6	24.1	24.1	24.3	24.3	24.4	24.9
21.2	23.0	23.1	23.4	24.0	24.3	24.6	25.2	25.2	25.4	25.9	25.9	26.2	26.2	26.3	26.6
21.7	23.5	23.6	23.9	24.5	24.8	25.2	25.7	25.7	26.1	26.6	26.6	26.8	26.8	26.9	27.5
22.0	23.6	23.9	24.1	24.8	25.0	25.4	25.9	25.9	26.3	26.8	26.8	27.1	27.1	27.2	27.7
22.0	23.8	23.9	24.1	24.8	25.0	25.4	25.9	25.9	26.4	26.9	26.9	27.2	27.2	27.3	28.3
22.7	23.8	23.9	24.1	24.8	25.0	25.4	25.9	25.9	26.4	26.9	26.9	27.2	27.2	27.3	28.0
22.1	23.9	24.0	24.3	24.9	25.2	25.5	26.1	26.1	26.6	27.1	27.1	27.3	27.3	27.5	28.1
22.5	24.3	24.4	24.6	25.3	25.5	25.9	26.4	26.4	26.9	27.5	27.5	27.7	27.7	27.8	28.5
24.7	25.8	25.9	26.2	26.8	27.1	27.5	28.0	28.0	28.6	29.1	29.1	29.4	29.4	29.8	30.5
25.7	27.5	27.6	27.8	28.5	28.7	29.1	29.6	29.6	30.3	30.8	30.8	31.0	31.0	31.4	32.2
25.8	27.6	27.7	28.0	28.6	28.9	29.2	29.8	29.8	30.4	30.9	30.9	31.2	31.2	31.5	32.3
27.1	28.9	29.0	29.2	29.9	30.1	30.5	31.0	31.2	31.8	32.3	32.3	32.6	32.6	33.0	33.7
27.1	29.1	29.4	29.6	30.3	30.5	30.9	31.4	31.5	32.2	32.7	32.7	33.1	33.1	33.5	34.2
29.8	31.8	32.1	32.3	33.1	33.3	33.7	34.2	34.4	35.0	35.5	35.5	35.9	35.9	36.3	37.0
30.9	33.1	33.3	33.6	34.4	34.6	35.0	35.5	35.6	36.3	36.9	36.9	37.3	37.3	37.7	38.4
31.8	34.2	34.5	34.7	35.5	35.8	36.1	36.7	36.8	37.4	38.1	38.1	38.6	38.6	39.0	39.7
33.1	35.5	35.8	36.0	36.8	37.0	37.4	37.9	38.1	38.7	39.3	39.3	39.8	39.8	40.2	41.0
34.1	36.7	36.9	37.2	38.1	38.4	39.0	39.5	39.6	40.2	40.9	40.9	41.4	41.4	41.8	42.5
34.5	37.0	37.4	37.7	38.6	39.0	39.5	40.2	40.4	41.0	41.6	41.6	42.1	42.1	42.5	43.3
35.6	38.6	39.1	39.3	40.6	41.0	41.8	42.7	42.8	43.4	44.1	44.1	44.6	44.6	45.0	45.7
35.8	38.8	39.3	39.6	40.9	41.3	42.0	42.9	43.0	43.7	44.3	44.3	44.8	44.8	45.2	46.0
36.7	40.0	40.5	41.0	42.5	42.9	44.1	45.0	45.1	45.7	46.5	46.5	47.0	47.0	47.4	48.1
37.2	40.6	41.1	41.8	43.4	43.9	45.1	46.0	46.1	46.7	47.5	47.5	48.0	48.0	48.4	49.2
38.3	42.3	43.0	44.1	46.0	46.6	47.9	48.8	48.9	49.6	50.3	50.3	50.8	50.8	51.2	52.0
38.8	43.0	43.9	45.3	47.4	48.0	49.7	50.6	50.7	51.7	52.6	52.7	53.4	53.4	53.8	54.5
39.2	44.4	45.3	46.7	49.0	49.7	51.3	52.7	53.0	54.3	55.2	55.3	56.3	56.3	57.1	58.1
39.6	45.0	45.8	47.5	50.1	50.8	52.7	54.2	54.4	55.7	57.0	57.2	58.7	58.7	59.8	60.9
41.0	46.4	47.3	48.9	51.5	52.2	54.5	56.3	56.6	58.0	59.3	59.5	61.9	61.9	63.3	64.5
41.5	47.3	48.1	49.9	53.1	54.0	57.0	58.7	59.1	60.7	62.5	62.7	66.9	66.9	68.6	69.9
41.8	48.0	49.0	51.0	55.2	56.1	59.5	61.8	62.2	64.1	66.5	66.8	72.7	73.4	78.2	83.7
41.8	48.0	49.0	51.0	55.2	56.1	59.5	61.8	62.2	64.1	66.5	66.8	72.8	73.8	80.3	95.9
41.8	48.0	49.0	51.0	55.2	56.1	59.5	61.8	62.2	64.1	66.5	66.8	72.8	73.8	80.5	100.0

TOTAL NUMBER OF OBSERVATIONS 783

USAF ETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TTN CITY AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-1800

19.7	20.4	21.8	21.4	21.8	22.0	22.3	22.6	22.7	23.2	23.5	23.5	23.7	23.7	24.0	24.5
20.3	21.1	21.4	22.1	22.5	22.6	23.0	23.2	23.4	23.9	24.1	24.1	24.4	24.4	24.6	25.1
20.7	21.4	21.8	22.5	23.0	23.1	23.5	23.7	23.9	24.4	24.6	24.6	24.9	24.9	25.1	25.6
20.7	21.4	21.8	22.5	23.0	23.1	23.5	23.7	23.9	24.4	24.6	24.6	24.9	24.9	25.1	25.6
21.1	21.8	22.2	22.8	23.4	23.5	23.9	24.1	24.2	24.7	25.0	25.0	25.3	25.3	25.5	26.0
21.1	21.8	22.2	22.8	23.4	23.5	23.9	24.1	24.2	24.7	25.0	25.0	25.3	25.3	25.5	26.0
21.1	21.8	22.2	22.8	23.4	23.5	23.9	24.1	24.2	24.7	25.0	25.0	25.3	25.4	25.6	26.1
21.4	22.2	22.6	23.2	23.7	23.9	24.2	24.5	24.7	25.4	25.6	25.6	26.3	26.3	26.6	27.2
23.5	24.4	24.7	25.4	25.9	26.0	26.4	26.6	26.9	27.5	27.8	27.8	28.4	28.4	28.9	29.4
25.8	26.8	27.2	27.9	28.4	28.6	28.9	29.2	29.4	30.1	30.3	30.3	31.0	31.0	31.5	32.0
26.1	27.2	27.5	28.3	28.8	28.9	29.3	29.6	29.8	30.5	30.7	30.7	31.3	31.3	31.9	32.4
27.3	28.3	28.9	29.7	30.2	30.3	30.7	31.0	31.2	31.9	32.1	32.1	32.7	32.7	33.2	33.8
27.7	28.7	29.3	30.1	30.6	30.7	31.1	31.3	31.6	32.2	32.5	32.5	33.1	33.1	33.6	34.1
29.3	30.5	31.2	32.0	32.5	32.6	33.0	33.2	33.5	34.1	34.4	34.4	35.0	35.2	35.5	36.2
30.8	32.1	33.0	33.8	34.3	34.4	34.9	35.3	35.5	36.2	36.7	36.7	37.3	37.4	38.2	38.8
32.2	33.5	34.4	35.2	35.7	35.9	36.5	36.9	37.2	37.9	38.5	38.5	39.1	39.2	40.0	40.6
34.1	35.5	36.4	37.2	37.7	37.9	38.6	39.0	39.2	40.0	40.5	40.5	41.1	41.2	42.0	42.6
35.0	36.8	37.9	38.8	39.6	40.0	40.6	41.2	41.5	42.3	42.8	42.8	43.4	43.5	44.3	44.9
35.8	37.7	38.8	39.7	40.5	40.9	41.6	42.4	42.6	43.4	43.9	43.9	44.5	44.7	45.4	46.1
37.1	39.1	40.2	41.4	42.1	42.5	43.4	44.4	44.7	45.4	45.9	45.9	46.6	46.7	47.5	48.1
37.7	39.7	40.9	42.0	42.8	43.1	44.0	45.1	45.3	46.1	46.6	46.6	47.2	47.3	48.1	48.7
37.8	40.2	41.5	42.9	43.9	44.3	45.6	46.6	46.8	47.6	48.1	48.1	48.7	48.9	49.6	50.3
38.3	41.0	42.4	44.2	45.2	45.6	46.8	47.8	48.1	48.9	49.4	49.4	50.0	50.1	50.9	51.5
39.2	42.0	43.8	45.9	47.2	47.6	49.2	50.4	50.6	51.4	51.9	51.9	52.5	52.7	53.4	54.1
39.7	42.9	44.9	47.2	48.6	49.0	50.9	52.0	52.4	53.2	53.7	53.7	54.4	54.6	55.3	56.0
39.8	43.4	45.6	48.4	50.1	50.5	52.4	54.1	54.4	55.5	56.1	56.1	56.9	57.0	57.7	58.5
40.9	44.5	46.8	49.9	51.6	52.2	54.1	55.7	56.2	57.2	58.0	58.1	58.9	59.1	60.4	61.7
42.3	45.9	48.2	51.4	53.4	53.9	56.1	58.4	58.9	60.0	61.0	61.3	62.4	62.8	64.6	65.9
42.8	46.6	49.0	52.8	55.1	55.8	58.6	61.3	62.2	63.7	65.1	65.4	67.4	67.9	70.4	72.6
43.0	47.2	49.7	53.6	55.8	56.7	60.4	63.7	65.1	67.0	69.8	70.1	73.7	74.7	74.7	85.2
43.0	47.2	49.7	53.6	55.8	56.7	60.4	63.7	65.1	67.0	69.8	70.1	74.1	75.1	79.7	95.9
43.0	47.2	49.7	53.6	55.8	56.7	60.4	63.7	65.1	67.0	69.8	70.1	74.1	75.3	79.9	100.0

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TTN CITY AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1120

21.1	22.5	22.7	23.1	23.7	23.7	24.2	24.4	24.5	24.6	24.9	24.9	24.9	24.9	24.9	25.0
22.2	23.6	23.9	24.2	24.9	24.9	25.4	25.5	25.6	25.8	26.0	26.0	26.0	26.0	26.0	26.1
23.2	24.6	24.9	25.3	25.9	25.9	26.4	26.5	26.6	26.8	27.0	27.0	27.0	27.0	27.0	27.1
23.5	24.7	25.1	25.5	26.1	26.1	26.6	26.8	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.4
23.7	25.1	25.4	25.8	26.4	26.4	26.9	27.0	27.1	27.3	27.5	27.5	27.5	27.5	27.5	27.7
23.7	25.1	25.4	25.8	26.4	26.4	26.9	27.0	27.1	27.3	27.5	27.5	27.5	27.5	27.5	27.7
24.2	25.6	25.9	26.3	26.9	26.9	27.4	27.5	27.7	27.8	28.0	28.0	28.0	28.0	28.0	28.2
24.9	26.3	26.5	26.9	27.5	27.5	28.0	28.2	28.3	28.4	28.7	28.7	28.7	28.7	28.7	28.8
26.6	28.0	28.3	28.7	29.3	29.3	29.8	30.2	30.3	30.4	30.7	30.7	30.8	30.8	30.9	31.1
28.8	30.2	30.9	31.3	31.9	31.9	32.4	32.8	33.0	33.1	33.3	33.3	33.5	33.5	33.6	33.7
29.4	30.9	31.7	32.1	32.7	32.7	33.2	33.6	33.7	33.8	34.1	34.1	34.2	34.2	34.3	34.5
30.7	32.4	33.2	33.6	34.2	34.2	34.7	35.1	35.2	35.4	35.6	35.6	35.7	35.7	35.9	36.0
31.1	32.7	33.6	34.1	34.7	34.7	35.2	35.6	35.7	35.9	36.1	36.1	36.2	36.2	36.4	36.5
32.4	34.1	35.1	35.7	36.5	36.5	37.0	37.4	37.5	37.6	37.9	37.9	38.1	38.1	38.3	38.4
34.1	36.0	37.0	37.6	38.4	38.5	39.3	39.6	39.8	39.9	40.3	40.3	40.8	41.0	41.2	41.3
35.1	37.0	38.3	38.9	39.8	39.9	40.7	41.0	41.2	41.4	41.9	41.9	42.4	42.7	42.8	42.9
36.0	38.4	39.9	40.5	41.4	41.7	42.4	42.8	42.9	43.2	43.7	43.7	44.2	44.4	44.6	44.7
38.5	41.9	43.8	44.4	45.5	45.7	46.5	46.8	47.1	47.3	47.9	47.9	48.4	48.6	48.7	48.9
38.9	42.3	44.2	44.8	45.8	46.1	46.8	47.2	47.5	47.7	48.2	48.2	48.7	49.0	49.1	49.2
40.5	44.1	46.0	46.6	47.6	47.9	48.6	49.0	49.2	49.5	50.0	50.0	50.5	50.8	50.9	51.0
40.9	44.4	46.3	47.0	48.0	48.2	49.0	49.4	49.6	49.9	50.4	50.4	50.9	51.1	51.3	51.5
41.7	46.0	48.0	48.6	49.6	49.9	51.0	51.4	51.6	51.9	52.4	52.4	52.9	53.2	53.3	53.5
42.4	46.7	49.1	49.7	50.8	51.0	52.1	52.7	52.9	53.2	53.7	53.7	54.2	54.4	54.7	54.9
43.3	47.9	50.3	51.4	52.7	53.0	54.2	54.9	55.2	55.4	55.9	55.9	56.4	56.7	56.9	57.2
44.3	49.0	51.6	52.9	54.2	54.5	55.7	56.4	56.7	56.9	57.4	57.4	58.0	58.2	58.5	58.7
45.2	50.1	52.9	54.5	55.9	56.3	57.7	58.5	58.7	59.1	59.7	59.7	60.2	60.5	60.7	61.0
46.1	51.5	54.3	55.9	57.3	58.0	59.3	60.4	60.9	61.2	62.0	62.0	62.6	63.0	63.3	63.5
47.2	53.3	56.4	58.5	60.5	61.1	62.6	64.1	64.8	65.4	66.5	66.5	67.6	68.1	68.6	68.8
47.3	53.7	57.3	59.8	62.2	63.3	64.8	66.5	67.4	68.7	71.0	71.0	73.4	74.1	76.0	77.3
47.3	53.8	57.4	60.0	62.9	64.4	66.3	68.3	69.4	71.1	73.7	73.9	77.0	78.2	81.4	87.4
47.3	53.8	57.4	60.0	62.9	64.4	66.3	68.4	69.6	71.2	74.0	74.1	77.8	79.0	83.6	97.9
47.3	53.8	57.4	60.0	62.9	64.4	66.3	68.4	69.6	71.2	74.0	74.1	77.8	79.0	83.6	100.0

TOTAL NUMBER OF OBSERVATIONS 192

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

22.5	23.8	24.0	24.6	25.3	25.3	25.4	25.6	25.6	25.7	25.7	25.7	26.1	26.1	26.2	26.3
24.3	26.0	26.2	26.7	27.5	27.6	27.9	28.1	28.1	28.3	28.3	28.3	28.6	28.6	28.9	26.9
26.1	27.7	28.0	28.6	29.4	29.5	29.8	30.1	30.1	30.2	30.2	30.2	30.6	30.6	30.7	30.8
26.2	27.9	28.1	28.8	29.5	29.7	29.9	30.2	30.2	30.3	30.3	30.3	30.7	30.7	30.8	30.9
26.9	29.0	29.3	29.9	30.7	30.8	31.1	31.3	31.3	31.5	31.5	31.5	31.8	31.8	32.7	32.1
27.0	29.2	29.4	30.1	30.8	30.9	31.2	31.5	31.5	31.6	31.6	31.6	32.0	32.0	32.1	32.2
27.4	29.5	29.8	30.4	31.2	31.3	31.6	31.8	31.8	32.0	32.0	32.0	32.4	32.4	32.5	32.6
27.9	30.1	30.3	30.9	31.7	31.8	32.1	32.5	32.5	32.6	32.6	32.6	33.0	33.0	33.1	33.2
28.5	30.8	31.2	31.8	32.7	33.0	33.2	33.8	33.8	33.9	33.9	33.9	34.3	34.3	34.4	34.5
30.4	32.7	33.1	33.8	34.7	34.9	35.2	35.7	35.7	35.8	35.8	35.9	36.3	36.3	36.4	36.6
30.4	32.7	33.1	33.8	34.7	34.9	35.2	35.7	35.7	35.8	35.8	35.9	36.3	36.3	36.4	36.6
31.7	34.0	34.4	35.0	35.9	36.2	36.4	37.0	37.0	37.1	37.1	37.2	37.6	37.6	37.7	37.9
31.8	34.1	34.5	35.2	36.1	36.3	36.6	37.1	37.1	37.2	37.2	37.3	37.7	37.7	37.9	38.0
33.4	35.7	36.1	36.7	37.6	37.9	38.1	38.6	38.6	38.7	38.7	38.9	39.4	39.5	39.6	39.8
34.5	37.5	37.9	38.5	39.5	39.8	40.0	40.7	40.7	40.8	40.8	40.9	41.4	41.6	41.7	41.8
35.9	38.9	39.3	40.3	41.4	41.7	41.9	42.7	42.7	42.8	42.8	43.0	43.5	43.6	43.7	43.9
37.3	40.7	41.2	42.2	43.4	43.6	43.9	44.6	44.6	44.8	44.8	44.9	45.4	45.5	45.7	45.8
39.8	43.5	44.7	45.1	46.3	46.5	46.8	47.6	47.6	47.7	47.7	47.8	48.3	48.5	48.6	48.7
41.7	44.8	45.4	46.8	48.0	48.2	48.5	49.2	49.2	49.4	49.4	49.5	50.0	50.1	50.3	50.4
42.5	46.3	46.9	48.3	49.6	50.1	50.4	51.2	51.2	51.3	51.3	51.4	51.9	52.0	52.2	52.3
43.7	47.6	48.2	49.6	50.9	51.8	52.0	52.8	52.8	52.9	53.1	53.2	53.7	53.8	54.1	54.2
44.5	48.7	49.4	50.8	52.2	53.3	53.6	54.3	54.3	54.5	54.6	54.7	55.2	55.4	55.8	55.9
45.4	49.9	51.0	52.6	54.2	55.4	55.6	56.4	56.4	56.5	56.6	56.8	57.3	57.4	57.8	57.9
45.9	50.8	52.3	53.8	55.6	57.3	57.5	58.3	58.3	58.4	58.6	58.7	59.3	59.5	59.8	60.0
46.9	52.0	53.6	55.2	57.2	58.8	59.1	59.8	59.8	60.0	60.1	60.2	60.9	61.0	61.4	61.5
47.6	53.5	55.1	56.6	59.2	60.9	61.3	62.0	62.1	62.5	62.7	62.8	63.4	63.6	63.9	64.1
47.8	53.7	55.4	57.0	59.5	61.1	61.5	62.3	62.4	62.8	62.9	63.0	63.7	63.8	64.2	64.3
48.8	55.4	57.5	59.3	62.1	63.8	64.3	65.1	65.2	65.6	65.7	65.9	66.8	66.9	67.6	68.2
49.1	56.1	58.3	60.2	63.3	65.3	66.2	67.9	68.3	68.9	69.7	70.1	71.7	71.9	73.3	74.4
49.5	56.8	59.2	61.3	65.6	68.2	69.6	71.4	71.7	72.8	74.2	74.7	78.0	78.4	81.2	86.1
49.5	56.8	59.2	61.3	65.7	68.2	69.8	71.6	72.1	73.1	74.8	75.3	79.0	79.8	84.5	97.1
49.5	56.8	59.2	61.3	65.7	68.2	69.8	71.6	72.1	73.1	74.8	75.3	79.0	79.8	84.7	100.0

TOTAL NUMBER OF OBSERVATIONS 782

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

23.6	24.1	24.6	24.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	26.5	26.5	26.5	26.6
24.3	24.7	25.4	25.7	26.6	26.8	26.9	26.9	26.9	26.9	26.9	26.9	28.0	28.0	28.0	28.3
25.5	26.0	26.6	26.9	27.9	28.0	28.2	28.2	28.2	28.2	28.2	28.2	29.3	29.3	29.3	29.6
25.5	26.0	26.6	26.9	27.9	28.0	28.2	28.2	28.2	28.2	28.2	28.2	29.3	29.3	29.3	29.6
25.8	26.3	26.9	27.2	28.2	28.3	28.5	28.5	28.5	28.5	28.5	28.5	29.6	29.6	29.8	30.1
26.3	26.8	27.4	27.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	30.1	30.1	30.2	30.6
26.5	27.1	27.7	28.0	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.4	30.6	30.6	30.7	31.0
27.9	28.7	29.3	29.6	30.9	31.2	31.3	31.3	31.3	31.3	31.3	31.3	32.4	32.4	32.6	32.9
29.1	29.9	30.6	31.0	32.3	32.6	32.8	32.8	32.8	32.8	32.8	32.8	33.9	33.9	34.7	34.3
29.8	30.6	31.2	31.7	32.9	33.2	33.5	33.5	33.5	33.5	33.5	33.5	34.6	34.6	34.8	35.1
31.3	32.1	32.8	33.2	34.5	34.8	35.1	35.1	35.1	35.1	35.1	35.1	36.2	36.2	36.4	36.7
31.5	32.3	32.9	33.4	34.6	35.0	35.3	35.3	35.3	35.3	35.3	35.3	36.4	36.4	36.5	36.9
33.2	34.0	34.6	35.1	36.4	36.7	37.0	37.0	37.0	37.0	37.0	37.0	38.1	38.1	38.3	38.6
35.4	36.7	37.3	37.8	39.2	39.5	39.8	39.8	39.8	39.8	39.8	39.8	40.9	40.9	41.1	41.4
36.4	37.8	38.4	39.1	40.5	40.8	41.1	41.1	41.1	41.1	41.1	41.1	42.2	42.2	42.4	42.7
38.1	39.5	40.2	40.8	42.2	42.7	43.1	43.1	43.1	43.1	43.1	43.1	44.4	44.4	44.6	44.9
40.9	42.8	43.6	44.3	45.7	46.1	46.8	46.8	46.8	46.8	46.8	46.8	48.0	48.0	48.2	48.5
42.2	44.3	45.4	46.0	47.4	48.0	48.7	48.7	48.7	48.7	48.7	48.7	49.9	49.9	50.1	50.4
44.4	46.5	47.6	48.2	49.6	50.4	51.2	51.2	51.2	51.2	51.2	51.2	52.4	52.4	52.6	52.9
45.4	47.7	48.8	49.4	50.9	51.8	52.6	52.6	52.6	52.6	52.6	52.6	53.9	53.9	54.7	54.3
46.9	49.9	51.7	51.8	53.2	54.2	55.0	55.0	55.0	55.0	55.0	55.0	56.2	56.2	56.4	56.7
47.9	51.2	52.6	53.4	54.8	55.7	56.5	56.7	56.7	56.7	56.7	56.7	58.0	58.0	58.1	58.4
48.2	51.8	53.2	54.3	56.1	57.0	57.8	58.0	58.0	58.0	58.0	58.0	59.2	59.2	59.4	59.7
49.0	53.1	54.5	55.6	57.5	58.4	59.2	59.4	59.4	59.4	59.4	59.4	60.6	60.6	60.8	61.1
49.1	53.9	55.6	56.7	59.1	60.0	60.9	61.1	61.1	61.9	61.9	61.9	63.1	63.1	63.3	63.6
49.8	55.3	57.3	58.6	60.9	61.9	63.0	63.1	63.3	64.1	64.3	64.3	65.5	65.5	65.7	66.0
50.6	56.7	59.1	60.3	62.7	63.8	65.4	65.8	66.0	66.8	67.4	67.4	68.8	68.8	69.0	70.1
52.0	58.7	61.6	62.8	66.0	67.2	69.4	70.6	70.9	72.0	73.2	73.5	75.9	75.9	76.7	77.8
52.1	59.1	62.0	63.9	67.4	68.7	70.9	73.4	73.9	75.3	77.3	77.8	81.6	81.6	83.6	88.0
52.1	59.1	62.0	63.9	67.4	68.8	71.2	73.7	74.2	75.7	78.0	78.4	83.1	83.3	86.1	96.9
52.1	59.1	62.0	63.9	67.4	68.8	71.2	73.7	74.2	75.7	78.0	78.4	83.3	83.5	86.3	100.0

TOTAL NUMBER OF OBSERVATIONS 415

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TIN CITY AFS AM

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1899-2022

24.9	25.8	26.6	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.4	27.4	28.4	28.4	28.6	28.6
25.4	26.4	27.4	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.4	28.4	29.5	29.5	29.7	29.7
26.0	27.0	28.0	28.4	28.6	28.6	28.6	28.6	28.6	28.6	29.0	29.0	30.1	30.1	30.3	30.3
26.2	27.2	28.2	28.6	28.8	28.8	28.8	28.8	28.8	28.8	29.2	29.2	30.3	30.3	30.5	30.5
26.6	27.6	28.6	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.5	29.5	30.7	30.7	30.9	30.9
27.0	28.0	29.0	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.9	29.9	31.1	31.1	31.3	31.3
27.2	28.2	29.2	29.5	29.7	29.7	29.7	29.7	29.7	29.7	30.1	30.1	31.3	31.3	31.5	31.5
27.6	28.6	29.5	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.5	30.5	31.7	31.7	31.9	31.9
27.6	29.0	29.9	30.3	30.5	30.5	30.5	30.5	30.5	30.5	30.9	30.9	32.1	32.1	32.5	32.5
28.6	30.1	31.1	31.5	31.7	31.7	31.7	31.7	31.7	31.7	32.1	32.1	33.3	33.3	33.7	33.7
29.2	30.7	31.7	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.7	32.7	33.9	33.9	34.2	34.2
29.9	31.5	32.5	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.7	33.7	34.8	34.8	35.2	35.2
29.9	31.5	32.5	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.7	33.7	34.8	34.8	35.4	35.4
32.1	33.7	34.8	35.4	35.6	35.6	35.6	35.6	35.6	35.6	36.2	36.2	37.4	37.4	38.0	38.0
34.4	36.4	37.6	38.4	38.9	38.9	38.9	38.9	38.9	38.9	39.5	39.5	40.7	40.7	41.3	41.3
35.6	37.6	38.7	39.5	40.3	40.3	40.3	40.3	40.3	40.3	40.9	40.9	42.1	42.1	42.7	42.7
38.6	40.9	42.1	43.1	43.8	43.8	43.8	43.8	43.8	43.8	44.6	44.6	46.0	46.0	46.6	46.6
40.1	42.5	44.0	45.4	46.2	46.6	46.8	46.8	46.8	46.8	47.6	47.6	48.9	48.9	49.5	49.5
41.3	43.6	45.2	46.8	47.6	47.9	48.1	48.3	48.3	48.3	49.1	49.1	50.5	50.5	51.1	51.1
44.0	46.4	47.9	49.7	50.5	50.9	51.3	51.5	51.5	51.7	52.4	52.4	53.8	53.8	54.4	54.4
44.6	47.0	48.5	50.3	51.1	51.5	51.9	52.1	52.1	52.3	53.2	53.2	54.6	54.6	55.2	55.2
46.2	48.7	50.5	52.4	53.4	53.8	54.2	54.4	54.4	54.6	55.6	55.6	56.9	56.9	57.5	57.5
47.6	50.3	52.1	54.2	55.4	55.8	56.2	56.4	56.4	56.6	57.5	57.5	58.9	58.9	59.9	59.9
49.1	52.1	54.0	56.4	58.1	58.7	59.1	59.3	59.3	59.5	60.5	60.5	61.8	61.8	62.8	62.8
49.9	53.2	55.2	57.7	59.7	60.3	61.1	61.3	61.3	61.4	62.4	62.4	63.8	63.8	64.8	64.8
51.5	55.2	57.3	60.1	62.2	62.8	63.6	63.8	63.8	64.2	65.2	65.2	66.5	66.5	67.5	67.5
51.5	55.2	57.5	60.3	62.4	63.0	64.0	64.2	64.4	64.8	65.8	65.8	67.1	67.1	68.1	68.5
52.8	57.3	59.9	62.8	65.4	66.7	68.3	68.7	69.1	69.5	70.6	70.6	72.0	72.2	73.8	74.2
53.4	59.3	61.8	65.0	67.9	69.7	71.4	72.0	72.4	72.8	74.2	74.2	75.9	76.1	77.7	78.1
53.4	59.7	62.4	65.9	69.1	71.0	73.0	74.4	74.8	75.5	76.9	77.1	80.0	80.2	84.1	87.1
53.4	59.7	62.4	65.9	69.1	71.0	73.0	74.4	74.8	75.5	77.1	77.3	80.6	81.0	87.5	96.1
53.4	59.7	62.4	65.9	69.1	71.0	73.0	74.4	74.8	75.5	77.1	77.3	80.6	81.0	87.5	100.0

TOTAL NUMBER OF OBSERVATIONS 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1170 TIN CITY AFS AK

74-81

JUN

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR OF OBSERVATION

2100-2300

22.5	23.9	24.8	24.9	24.9	24.9	25.4	25.4	25.6	25.6	26.2	26.2	26.9	26.9	27.0	27.4
23.1	24.4	25.2	25.4	25.4	25.4	25.9	25.9	26.1	26.1	27.2	27.2	27.9	27.9	28.0	28.4
23.9	25.4	26.2	26.4	26.4	26.4	26.9	26.9	27.1	27.0	28.2	28.2	28.9	28.9	29.0	29.3
24.3	25.7	26.6	26.7	26.7	26.7	27.2	27.2	27.4	27.4	28.5	28.5	29.2	29.2	29.3	29.7
24.6	26.1	26.9	27.0	27.0	27.0	27.5	27.5	27.7	27.7	28.9	28.9	29.5	29.5	29.7	30.0
25.6	27.0	27.9	28.0	28.0	28.0	28.5	28.5	28.7	28.7	29.8	29.8	30.5	30.5	30.7	31.0
25.7	27.2	28.0	28.2	28.2	28.2	28.7	28.7	28.9	28.9	30.0	30.0	30.7	30.7	30.8	31.1
26.6	28.0	28.9	29.0	29.0	29.0	29.5	29.5	29.7	29.7	30.8	30.8	31.5	31.5	31.6	32.0
27.5	29.0	29.8	30.0	30.0	30.0	30.5	30.5	30.7	30.7	31.8	31.8	32.5	32.5	33.0	33.3
29.0	30.7	31.5	31.6	31.8	31.8	32.3	32.3	32.5	32.5	33.6	33.6	34.3	34.3	34.8	35.1
29.3	31.0	31.8	32.0	32.1	32.1	32.6	32.6	32.8	32.8	33.9	33.9	34.6	34.6	35.1	35.4
29.3	31.0	31.8	32.0	32.1	32.1	32.6	32.6	32.8	32.8	34.1	34.1	34.8	34.8	35.2	35.6
29.7	31.3	32.1	32.3	32.5	32.5	33.0	33.0	33.1	33.1	34.4	34.4	35.1	35.1	35.6	35.9
33.1	34.8	35.6	35.9	36.2	36.2	36.7	36.7	36.9	36.9	38.2	38.2	38.9	38.9	39.3	39.7
35.7	38.0	38.9	39.2	39.7	39.7	40.2	40.2	40.3	40.3	41.6	41.6	42.3	42.3	42.8	43.1
36.9	39.2	40.0	40.5	41.1	41.1	41.6	41.6	41.8	41.8	43.1	43.1	43.8	43.8	44.3	44.6
38.7	41.1	42.1	42.6	43.3	43.3	43.8	43.8	43.9	43.9	45.2	45.2	45.9	45.9	46.4	46.7
39.7	42.3	43.3	43.8	44.6	44.6	45.2	45.2	45.4	45.4	46.7	46.7	47.4	47.4	47.9	48.2
40.0	42.6	43.6	44.1	45.4	45.4	46.1	46.1	46.2	46.2	47.5	47.5	48.2	48.2	48.7	49.0
40.8	43.9	44.9	45.4	47.4	47.4	48.2	48.2	49.4	49.4	49.7	49.7	50.3	50.3	50.8	51.1
41.0	44.1	45.1	45.6	47.5	47.5	48.4	48.4	48.5	48.5	49.8	49.8	50.5	50.5	51.0	51.3
41.5	44.6	45.6	46.1	49.0	49.0	50.0	50.0	50.2	50.2	51.5	51.5	52.1	52.1	52.6	53.0
42.1	45.2	46.4	47.2	50.2	50.2	51.1	51.1	51.3	51.3	52.6	52.6	53.3	53.3	53.8	54.1
42.6	46.4	48.2	49.2	52.8	52.8	53.8	53.8	53.9	53.9	55.2	55.2	55.9	55.9	56.4	56.7
43.4	47.7	49.5	50.7	54.9	54.9	55.9	56.1	56.2	56.2	57.5	57.5	58.2	58.2	58.7	59.0
45.6	50.2	52.1	53.3	57.5	57.5	58.7	58.9	59.2	59.5	60.8	60.8	61.6	61.6	62.5	62.8
46.4	51.0	53.0	54.3	58.5	58.5	59.7	60.0	60.3	60.7	62.0	62.1	63.0	63.0	63.9	64.9
47.5	52.3	54.4	56.1	60.3	60.5	62.5	62.8	63.3	63.6	64.9	65.1	65.9	65.9	67.0	68.2
48.5	53.8	55.9	57.7	62.1	62.5	64.8	65.1	65.7	66.7	68.5	68.7	69.8	69.8	71.3	73.0
48.5	53.8	56.1	58.0	63.1	63.4	66.1	66.9	67.7	69.2	71.1	71.3	73.1	73.3	77.7	85.2
48.5	53.8	56.1	58.2	63.3	63.6	66.2	67.0	67.9	69.7	71.6	71.8	74.1	74.4	80.8	94.6
48.5	53.8	56.1	58.2	63.3	63.6	66.2	67.0	67.9	69.7	71.6	71.8	74.1	74.4	81.0	100.0

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1170 TTN CITY AFS AK

73-81

JUN

ELL

21.5	23.0	23.4	23.7	24.1	24.2	24.4	24.6	24.7	24.8	25.1	25.1	25.6	25.6	25.7	26.1
22.7	24.0	24.4	24.8	25.3	25.4	25.7	25.9	26.0	26.2	26.6	26.6	27.0	27.0	27.2	27.5
23.6	24.9	25.3	25.7	26.2	26.3	26.6	26.8	26.9	27.1	27.5	27.5	28.0	28.0	28.1	28.5
23.7	25.1	25.5	25.9	26.4	26.5	26.8	27.0	27.1	27.3	27.7	27.7	28.2	28.2	28.3	28.6
24.0	25.4	25.8	26.2	26.7	26.8	27.2	27.4	27.5	27.7	28.1	28.1	28.6	28.6	28.7	29.1
24.2	25.6	26.1	26.5	27.0	27.1	27.4	27.6	27.7	27.9	28.3	28.3	28.8	28.8	28.9	29.3
24.4	25.9	26.3	26.7	27.2	27.3	27.6	27.8	27.9	28.1	28.5	28.5	29.0	29.0	29.2	29.5
24.9	26.3	26.8	27.1	27.7	27.8	28.1	28.3	28.4	28.7	29.1	29.1	29.6	29.6	29.8	30.1
26.3	27.9	28.3	28.7	29.3	29.4	29.7	30.0	30.1	30.4	30.8	30.8	31.3	31.3	31.6	32.0
27.9	29.5	30.1	30.5	31.1	31.2	31.6	31.8	31.9	32.2	32.6	32.6	33.2	33.2	33.5	33.9
28.2	29.9	30.4	30.9	31.4	31.6	31.9	32.2	32.3	32.5	33.0	33.0	33.6	33.6	33.9	34.3
29.2	30.9	31.4	31.9	32.5	32.6	33.0	33.3	33.4	33.6	34.1	34.2	34.7	34.7	35.0	35.4
29.4	31.1	31.7	32.2	32.8	32.9	33.2	33.5	33.6	33.9	34.4	34.4	35.0	35.0	35.3	35.7
31.5	33.2	33.8	34.3	35.0	35.1	35.5	35.7	35.9	36.1	36.6	36.6	37.3	37.3	37.6	38.0
33.3	35.4	36.1	36.6	37.4	37.6	38.0	38.3	38.4	38.6	39.2	39.2	39.9	40.0	40.3	40.7
34.5	36.6	37.4	38.0	38.9	39.1	39.5	39.8	39.9	40.2	40.8	40.8	41.5	41.6	41.9	42.3
36.0	38.4	39.2	39.8	40.7	41.0	41.4	41.7	41.8	42.1	42.7	42.8	43.5	43.6	43.9	44.3
37.7	40.4	41.4	42.1	43.1	43.4	43.9	44.3	44.4	44.7	45.3	45.3	46.1	46.1	46.5	46.9
38.4	41.2	42.2	43.0	44.1	44.4	44.9	45.3	45.5	45.8	46.4	46.4	47.1	47.2	47.5	47.9
39.9	42.9	44.0	44.8	46.1	46.5	47.1	47.6	47.8	48.1	48.7	48.7	49.4	49.5	49.8	50.2
40.4	43.5	44.6	45.4	46.7	47.2	47.8	48.3	48.5	48.8	49.4	49.4	50.2	50.2	50.6	51.0
41.3	44.7	45.9	46.8	48.0	48.8	49.7	50.2	50.3	50.6	51.3	51.3	52.0	52.1	52.5	52.9
42.0	45.6	46.9	48.1	49.7	50.2	51.0	51.5	51.7	52.0	52.7	52.7	53.4	53.5	53.9	54.3
42.8	46.7	48.3	49.7	51.6	52.2	53.2	53.8	53.9	54.2	54.9	54.9	55.7	55.8	56.2	56.6
43.5	47.8	49.5	51.2	53.3	53.9	55.0	55.6	55.8	56.1	56.8	56.9	57.6	57.7	58.2	58.6
44.4	49.2	51.1	52.9	55.3	55.9	57.1	57.9	58.1	58.7	59.4	59.5	60.4	60.5	61.1	61.5
44.9	50.0	51.9	53.8	56.3	57.0	58.2	59.1	59.4	60.1	60.9	61.0	62.0	62.2	62.9	63.6
46.0	51.4	53.6	55.6	58.3	59.1	60.8	62.0	62.4	63.1	64.1	64.3	65.6	65.7	66.8	67.6
46.6	52.5	54.8	57.1	60.1	61.2	63.2	64.9	65.4	66.5	68.0	68.2	70.5	70.7	72.3	73.7
46.7	53.0	55.5	57.9	61.6	62.8	65.3	67.5	68.2	69.6	71.8	72.1	75.6	76.1	79.7	85.4
46.7	53.0	55.5	58.0	61.6	62.9	65.5	67.7	68.4	69.9	72.2	72.5	76.5	77.2	82.4	96.0
46.7	53.0	55.5	58.0	61.6	62.9	65.5	67.7	68.4	69.9	72.2	72.5	76.5	77.3	82.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 1000 TO 10000 FT

0000-0200

16.7	16.2	18.5	19.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.8	19.8	19.9	19.9	21.0	22.6
18.8	20.4	20.7	21.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8	22.3	22.3	22.4	22.4	23.6	25.4
19.0	20.7	20.9	21.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.6	22.6	22.7	22.7	23.9	25.6
19.6	21.3	21.6	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	23.2	23.2	23.3	23.3	24.5	26.4
19.9	21.6	21.8	22.7	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.5	23.5	23.6	23.6	24.7	26.7
20.5	22.2	22.4	23.3	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.1	24.1	24.2	24.2	25.4	27.3
21.3	23.0	23.2	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.9	24.9	25.0	25.0	26.1	28.1
22.2	23.9	24.1	25.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.8	25.8	25.9	25.9	27.0	29.0
23.6	25.3	25.5	26.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.2	27.2	27.3	27.3	28.4	30.4
25.0	26.7	26.9	27.8	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.6	28.6	28.7	28.7	29.8	31.8
27.0	28.7	29.0	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.6	30.6	30.7	30.7	31.9	33.8
27.2	29.1	29.3	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5	31.0	31.0	31.1	31.1	32.3	34.2
27.6	29.5	29.7	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.4	31.4	31.5	31.5	32.7	34.6
28.1	31.4	31.6	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.4	33.4	33.5	33.5	34.7	36.6
29.2	32.7	32.9	33.8	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.7	34.7	34.8	34.8	36.0	37.9
30.4	34.4	34.7	35.6	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.5	36.5	36.6	36.6	37.9	39.8
31.3	35.7	36.0	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.8	37.8	37.9	37.9	39.2	41.1
31.7	36.5	37.0	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.9	38.9	39.0	39.0	40.3	42.2
32.1	36.7	37.2	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	39.2	39.2	39.3	39.3	40.6	42.5
32.5	37.1	37.6	38.6	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.7	39.7	39.8	39.8	41.1	43.1
33.0	37.6	38.1	39.2	39.5	39.5	39.7	39.7	39.7	39.7	39.7	40.2	40.2	40.3	40.3	41.6	43.6
33.9	38.6	39.3	40.3	40.7	40.7	40.8	40.8	40.8	40.8	40.8	41.3	41.3	41.5	41.5	42.7	44.9
34.0	39.3	40.2	41.3	41.7	41.7	41.8	41.8	41.8	41.8	41.8	42.3	42.3	42.5	42.5	43.8	45.9
35.6	41.7	42.7	43.9	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.9	44.9	45.0	45.0	46.7	48.6
36.4	43.2	44.5	45.7	46.4	46.4	46.6	46.6	46.6	46.6	46.6	47.1	47.1	47.2	47.2	48.5	50.8
36.5	44.3	45.8	47.4	48.5	48.6	49.0	49.0	49.0	49.0	49.0	49.5	49.5	50.0	50.0	51.3	53.6
36.7	45.3	47.2	49.0	50.3	50.4	51.0	51.0	51.1	51.3	51.8	51.8	52.3	52.4	52.4	53.8	56.4
37.1	46.8	48.9	51.0	52.9	53.1	54.1	54.2	54.3	54.5	55.2	55.2	55.7	55.9	55.9	57.3	60.2
37.2	47.8	49.9	52.7	55.4	55.7	57.1	57.5	58.5	59.3	61.0	61.2	62.4	62.8	64.4	67.9	
37.2	48.0	50.3	53.3	56.4	57.4	60.6	62.0	63.6	64.9	67.9	68.6	71.6	72.1	75.6	83.2	
37.2	48.0	50.3	53.3	56.5	57.5	60.7	62.1	64.0	65.6	69.4	70.4	74.4	74.9	80.2	94.1	
37.2	48.0	50.3	53.3	56.5	57.5	60.7	62.1	64.0	65.6	69.4	70.4	74.6	75.1	80.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 734

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TIA CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR BY OBSERVATIONS

0300-0500

17.5	18.2	18.3	18.7	18.9	18.9	18.9	18.9	18.9	18.9	16.9	19.7	19.7	19.8	19.8	20.0	20.5
18.3	19.2	19.4	19.8	20.0	20.3	20.3	20.3	20.3	20.3	20.3	21.0	21.0	21.3	21.3	21.9	22.9
19.0	19.9	20.1	20.5	20.8	21.1	21.1	21.1	21.1	21.1	21.1	21.9	21.9	22.1	22.1	22.9	23.9
19.2	20.0	20.4	20.8	21.0	21.4	21.4	21.4	21.5	21.5	21.5	22.5	22.5	22.8	22.8	23.5	24.6
19.3	20.3	20.6	21.0	21.3	21.6	21.6	21.6	21.8	21.8	21.8	22.8	22.8	23.0	23.0	23.8	24.9
19.7	20.8	21.1	21.5	21.8	22.1	22.1	22.1	22.3	22.3	22.3	23.3	23.3	23.5	23.5	24.3	25.4
21.0	22.6	23.0	23.4	23.6	24.0	24.0	24.0	24.1	24.1	24.1	25.1	25.1	25.4	25.4	26.1	27.2
22.3	23.9	24.3	24.6	24.9	25.2	25.2	25.2	25.4	25.4	25.4	26.4	26.4	26.6	26.6	27.4	28.5
24.9	26.5	26.9	27.2	27.5	27.9	27.9	27.9	28.0	28.0	28.0	29.0	29.0	29.2	29.2	30.7	31.1
26.9	28.5	28.9	29.2	29.5	29.9	29.9	29.9	30.0	30.1	30.1	31.1	31.1	31.3	31.3	32.1	33.2
27.6	29.2	29.6	30.0	30.2	30.6	30.6	30.6	30.7	30.8	30.8	31.8	31.8	32.1	32.1	32.8	34.0
27.7	29.4	29.7	30.1	30.3	30.7	30.7	30.7	30.8	31.0	31.0	32.0	32.0	32.2	32.2	33.0	34.1
28.0	29.6	30.0	30.3	30.6	31.0	31.0	31.1	31.2	31.2	31.2	32.2	32.2	32.5	32.5	33.2	34.3
29.0	31.3	31.7	32.2	32.5	32.8	32.8	33.0	33.1	33.1	33.1	34.1	34.1	34.3	34.3	35.1	36.2
30.7	33.1	33.5	34.0	34.2	34.6	34.6	34.7	34.8	34.8	34.8	35.8	35.8	36.1	36.1	36.8	37.9
31.6	34.0	34.3	34.8	35.1	35.4	35.4	35.6	35.7	35.7	35.7	36.7	36.7	36.9	36.9	37.7	38.8
32.5	34.8	35.2	35.8	36.1	36.4	36.4	36.6	36.7	36.7	36.7	37.7	37.7	37.9	37.9	38.7	39.8
33.1	35.7	36.1	36.7	36.9	37.3	37.4	37.6	37.7	37.7	37.7	38.7	38.7	38.9	38.9	39.7	40.8
33.1	35.7	36.1	36.7	36.9	37.3	37.4	37.6	37.7	37.7	37.7	38.7	38.7	38.9	38.9	39.7	40.8
33.5	36.2	36.6	37.2	37.6	37.9	38.3	38.4	38.6	38.6	38.6	39.6	39.6	39.8	39.8	40.5	41.7
34.0	36.8	37.3	38.1	38.4	38.8	39.2	39.3	39.4	39.4	39.4	40.4	40.4	40.7	40.7	41.4	42.5
35.2	38.2	38.7	39.4	39.8	40.2	40.5	41.0	41.2	41.2	41.2	42.2	42.2	42.4	42.4	43.2	44.3
35.8	38.9	39.4	40.3	40.7	41.0	41.5	42.0	42.2	42.2	42.2	43.2	43.2	43.4	43.4	44.2	45.3
37.7	41.3	41.9	42.8	43.2	43.5	44.2	44.7	44.8	44.8	44.8	45.8	45.8	46.0	46.0	46.8	47.9
39.2	43.0	43.8	44.8	45.1	45.5	46.1	46.6	46.8	46.8	46.8	47.8	47.8	48.0	48.1	48.9	50.1
40.2	44.7	45.9	47.3	48.3	48.8	49.5	50.0	50.2	50.2	50.2	51.2	51.2	51.7	51.9	52.6	53.9
40.7	46.1	47.8	49.4	50.6	51.1	51.9	52.4	52.6	52.6	52.6	54.0	54.0	54.5	54.6	55.3	57.0
41.4	47.8	50.1	52.1	54.0	54.9	56.1	57.0	57.2	57.2	57.2	58.8	58.8	59.5	59.6	60.3	62.3
41.4	48.0	50.4	52.6	55.2	56.5	58.5	59.6	60.3	60.8	63.3	63.3	64.6	64.9	66.3	69.5	
41.4	48.3	51.1	53.5	56.6	58.0	60.4	62.7	63.7	64.7	69.2	69.4	72.0	73.0	75.7	82.1	
41.4	48.3	51.1	53.5	56.6	58.0	60.9	63.4	64.6	65.7	70.4	70.8	74.6	75.7	80.5	96.6	
41.4	48.3	51.1	53.5	56.6	58.0	60.9	63.4	64.6	65.7	70.4	70.8	74.9	76.0	81.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 804

2
1
SERIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TTN CITY AFS AK

73-81

JUL

PERCENT OF FREQUENT OF C
FROM HOUR OF OBSERVATIONS

J630-2620

17.1	17.7	17.8	18.1	18.1	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.8	18.8	19.1	19.6
18.6	19.3	19.5	19.7	19.7	19.7	19.8	19.8	20.0	20.0	20.0	20.0	20.7	20.8	21.1	21.9	
19.8	20.6	20.7	20.9	20.9	21.1	21.2	21.2	21.3	21.3	21.4	21.4	22.2	22.3	22.6	23.4	
20.2	20.9	21.1	21.3	21.3	21.4	21.6	21.6	21.7	21.7	21.8	21.8	22.6	22.7	22.9	23.8	
20.4	21.2	21.3	21.6	21.6	21.7	21.8	21.8	21.9	21.9	22.1	22.1	22.8	22.9	23.2	24.0	
21.9	21.9	22.1	22.3	22.3	22.4	22.6	22.6	22.7	22.7	22.8	22.8	23.5	23.7	23.9	24.8	
21.6	22.8	22.9	23.2	23.2	23.3	23.4	23.4	23.5	23.5	23.7	23.7	24.4	24.5	24.8	25.7	
21.9	23.2	23.3	23.5	23.5	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.8	24.9	25.2	26.0	
23.8	25.2	25.3	25.5	25.5	25.7	25.8	25.8	25.9	25.9	26.0	26.0	26.8	26.9	27.1	28.0	
26.9	28.3	28.4	28.6	28.6	28.9	29.0	29.0	29.1	29.1	29.2	29.2	30.0	30.1	30.4	31.2	
27.5	28.9	29.0	29.2	29.2	29.5	29.6	29.6	29.7	29.7	29.9	29.9	30.6	30.7	31.0	31.8	
27.9	29.6	29.7	30.0	30.0	30.2	30.4	30.4	30.5	30.5	30.6	30.6	31.4	31.5	31.7	32.6	
28.1	29.9	30.0	30.2	30.2	30.5	30.6	30.6	30.7	30.7	30.9	30.9	31.6	31.7	32.0	32.8	
29.2	31.1	31.2	31.5	31.5	31.7	31.8	31.8	32.0	32.0	32.1	32.1	32.8	33.0	33.2	34.1	
32.3	34.4	34.6	34.8	34.8	35.1	35.2	35.2	35.3	35.3	35.4	35.4	36.2	36.3	36.6	37.4	
32.9	34.9	35.1	35.3	35.3	35.6	35.7	35.7	35.8	35.8	35.9	35.9	36.7	36.8	37.1	37.9	
33.5	35.8	35.9	36.2	36.2	36.6	36.7	36.7	36.8	36.8	36.9	36.9	37.7	37.8	38.0	38.9	
34.9	37.5	37.7	37.9	37.9	38.3	38.4	38.4	38.5	38.5	38.7	38.7	39.4	39.5	39.8	40.6	
34.8	37.5	37.7	37.9	37.9	38.3	38.4	38.4	38.5	38.5	38.7	38.7	39.4	39.5	39.8	40.6	
35.7	38.5	38.8	39.2	39.2	39.7	39.8	39.8	39.9	39.9	40.0	40.0	40.8	40.9	41.1	42.0	
37.1	40.1	40.5	40.9	41.0	41.5	41.6	41.6	41.8	41.8	41.9	41.9	42.6	42.8	43.0	43.9	
38.4	41.5	42.0	42.5	42.6	43.1	43.2	43.4	43.5	43.5	43.6	43.6	44.4	44.5	44.7	45.6	
38.7	41.9	42.4	42.9	43.0	43.5	43.6	43.7	43.9	43.9	44.0	44.0	44.7	44.9	45.1	46.0	
39.8	43.5	44.1	44.7	44.9	45.4	45.6	45.7	45.8	45.8	46.0	46.0	46.7	46.8	47.1	48.1	
40.6	44.9	45.5	46.2	46.3	46.8	47.1	47.2	47.3	47.3	47.5	47.5	48.2	48.3	48.6	49.6	
42.5	48.0	48.8	49.7	50.1	50.6	50.9	51.1	51.2	51.2	51.4	51.4	52.2	52.3	52.5	53.5	
44.1	50.2	51.2	52.2	53.2	53.7	54.3	54.5	54.6	54.8	55.1	55.1	55.9	56.0	56.3	57.4	
44.9	52.2	53.4	54.9	56.3	57.4	58.6	59.1	59.2	59.4	59.7	59.7	60.6	60.7	61.2	62.7	
45.5	53.8	55.3	56.9	58.4	59.7	61.6	62.2	62.7	63.8	64.9	64.9	66.3	66.5	67.5	69.9	
45.6	53.9	55.6	57.2	59.6	61.3	64.4	65.9	66.9	69.0	71.6	71.6	74.2	74.7	76.8	83.8	
45.6	53.9	55.6	57.2	59.9	61.6	65.1	66.8	67.8	70.4	73.6	73.6	76.8	77.3	81.0	97.6	
45.6	53.9	55.6	57.2	59.9	61.6	65.1	66.8	67.8	70.4	73.6	73.6	77.0	77.4	81.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1175 TTN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

20.0	20.5	21.0	21.0	21.0	21.2	21.5	21.8	21.8	22.0	22.2	22.2	22.2	22.3	22.3	22.8
23.9	24.4	24.9	24.9	24.9	25.0	25.4	25.6	25.6	25.9	26.0	26.0	26.0	26.1	26.1	26.6
25.0	25.5	26.0	26.0	26.0	26.1	26.5	26.7	26.7	27.0	27.4	27.4	27.4	27.5	27.5	28.1
25.4	25.9	26.4	26.4	26.4	26.5	26.9	27.1	27.1	27.4	27.7	27.7	27.7	27.8	27.8	28.5
26.0	26.5	27.0	27.0	27.0	27.1	27.5	27.7	27.7	28.0	28.3	28.3	28.3	28.5	28.5	29.1
26.6	27.1	27.6	27.6	27.6	27.7	28.1	28.3	28.3	28.6	29.0	29.0	29.0	29.1	29.1	29.7
27.4	27.8	28.3	28.3	28.3	28.5	28.8	29.1	29.1	29.3	29.7	29.7	29.7	29.8	29.8	30.4
28.6	29.1	29.6	29.6	29.6	29.7	30.1	30.3	30.3	30.6	30.9	30.9	30.9	31.1	31.1	31.7
30.7	31.2	31.7	31.7	31.7	31.8	32.2	32.4	32.4	32.7	33.0	33.0	33.0	33.2	33.2	33.8
32.1	32.5	33.0	33.0	33.0	33.2	33.5	33.8	33.8	34.0	34.4	34.4	34.4	34.5	34.5	35.1
32.4	32.9	33.5	33.7	33.7	33.8	34.2	34.4	34.4	34.7	35.0	35.0	35.0	35.1	35.1	35.8
34.0	34.5	35.1	35.3	35.3	35.4	35.8	36.0	36.0	36.3	36.6	36.6	36.6	36.8	36.8	37.4
35.0	35.5	36.1	36.3	36.3	36.4	36.8	37.1	37.1	37.4	37.7	37.7	37.7	37.9	38.0	38.6
36.1	36.6	37.3	37.4	37.4	37.5	37.9	38.2	38.2	38.5	38.9	38.9	38.9	39.0	39.1	39.7
38.4	38.9	39.6	39.7	39.7	39.9	40.2	40.6	40.6	41.0	41.3	41.3	41.3	41.5	41.6	42.2
39.0	39.5	40.2	40.3	40.5	40.6	41.0	41.3	41.3	41.7	42.1	42.1	42.1	42.2	42.3	42.9
40.1	40.6	41.3	41.5	41.6	41.7	42.1	42.5	42.5	42.8	43.2	43.2	43.2	43.3	43.4	44.1
42.2	42.9	43.7	43.8	43.9	44.1	44.4	44.8	44.8	45.2	45.5	45.5	45.5	45.7	45.8	46.4
42.2	43.2	43.9	44.1	44.2	44.3	44.7	45.0	45.0	45.4	45.8	45.8	45.8	45.9	46.0	46.7
43.3	44.8	45.5	45.7	46.0	46.2	46.8	47.2	47.2	47.5	47.9	47.9	47.9	48.0	48.1	48.8
44.7	46.3	47.0	47.3	47.8	47.9	48.5	48.9	48.9	49.3	49.6	49.6	49.6	49.8	49.9	50.5
45.5	47.3	48.0	48.5	49.0	49.1	49.8	50.1	50.1	50.5	50.9	50.9	50.9	51.0	51.1	51.7
46.0	47.9	48.6	49.1	49.6	49.8	50.4	50.7	50.7	51.1	51.5	51.5	51.5	51.6	51.7	52.4
46.8	48.8	49.5	50.0	50.5	50.6	51.2	51.6	51.6	52.0	52.4	52.4	52.4	52.5	52.6	53.2
47.3	49.3	50.1	50.7	51.5	51.6	52.4	52.7	52.7	53.1	53.5	53.5	53.5	53.6	53.7	54.3
49.0	51.9	53.0	53.6	54.3	54.5	55.6	56.2	56.3	56.7	57.1	57.1	57.1	57.2	57.3	57.9
49.9	54.2	55.6	56.6	57.7	58.3	59.5	60.1	60.3	60.6	61.1	61.1	61.1	61.3	61.4	62.0
51.0	56.3	58.5	60.3	61.9	62.6	64.1	65.3	65.7	66.1	66.8	66.8	67.0	67.1	67.3	68.2
51.7	58.4	60.8	62.6	64.7	65.7	67.7	69.8	70.3	70.9	72.0	72.3	72.8	73.1	73.6	74.6
51.7	58.4	61.0	62.9	65.6	66.7	69.6	72.5	73.1	74.6	76.7	77.1	79.7	81.4	82.1	85.6
51.7	58.4	61.0	62.9	66.0	67.2	71.4	74.5	75.7	77.0	79.5	80.2	83.5	85.4	86.9	97.4
51.7	58.4	61.0	62.9	66.0	67.2	71.4	74.5	75.2	77.0	79.5	80.2	84.3	86.1	87.9	100.0

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TTN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OBSERVATION
FROM 0000Z TO 0000Z

1200-1400

21.6	23.0	23.0	23.2	23.2	23.2	23.3	23.3	23.4	23.4	23.5	23.5	23.8	23.8	23.8	23.8
25.8	27.2	27.2	27.5	27.5	27.5	27.6	27.6	27.7	27.7	27.8	27.8	28.1	28.1	28.1	28.1
26.6	28.1	28.1	28.4	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	29.0	29.0	29.1	29.2
26.6	28.1	28.1	28.4	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	29.0	29.0	29.1	29.2
27.1	28.6	28.6	28.9	28.9	28.9	29.0	29.0	29.1	29.1	29.2	29.2	29.5	29.5	29.6	29.7
27.8	29.6	29.6	29.9	29.9	29.9	30.0	30.0	30.1	30.1	30.3	30.3	30.5	30.5	30.6	30.8
28.5	30.3	30.3	30.5	30.5	30.5	30.6	30.6	30.8	30.8	30.9	30.9	31.1	31.1	31.3	31.4
30.1	31.9	31.9	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.7	32.7	32.9	32.9	33.2	33.3
32.3	34.2	34.3	34.6	34.6	34.6	34.8	34.8	34.9	34.9	35.2	35.2	35.4	35.4	35.7	35.8
33.8	35.7	35.8	36.1	36.1	36.1	36.3	36.3	36.5	36.5	36.7	36.7	37.0	37.0	37.2	37.3
34.3	36.2	36.5	36.7	36.7	36.7	37.0	37.0	37.1	37.1	37.3	37.3	37.6	37.6	37.8	38.0
35.1	37.1	37.3	37.6	37.6	37.6	37.8	37.8	38.0	38.0	38.2	38.2	38.5	38.5	38.7	38.9
35.4	37.6	37.8	38.1	38.1	38.1	38.4	38.4	38.5	38.5	38.7	38.7	39.0	39.0	39.2	39.4
37.0	39.1	39.4	39.6	39.6	39.6	39.9	39.9	40.0	40.0	40.3	40.3	40.5	40.5	40.8	40.9
39.2	41.4	41.6	41.9	42.0	42.0	42.3	42.3	42.4	42.4	42.7	42.7	42.9	42.9	43.2	43.3
40.3	42.4	42.7	42.9	43.0	43.0	43.3	43.3	43.4	43.4	43.7	43.7	43.9	43.9	44.2	44.3
41.9	44.2	44.4	44.7	44.8	44.8	45.1	45.1	45.2	45.2	45.4	45.4	45.7	45.7	45.9	46.1
43.2	45.9	46.2	46.5	46.6	46.6	46.8	46.8	47.0	47.0	47.2	47.2	47.5	47.6	47.8	48.0
43.7	46.6	46.8	47.1	47.3	47.3	47.6	47.6	47.7	47.7	48.0	48.0	48.2	48.4	48.6	48.7
45.4	48.6	49.0	49.2	49.5	49.5	49.7	49.7	49.9	49.9	50.1	50.1	50.4	50.5	50.8	50.9
46.5	50.0	50.6	51.0	51.3	51.3	51.5	51.5	51.6	51.6	51.9	51.9	52.2	52.3	52.5	52.7
47.2	50.8	51.5	52.0	52.3	52.3	52.5	52.7	52.9	52.9	53.2	53.2	53.4	53.5	53.8	54.1
47.8	51.4	52.2	52.7	52.9	53.0	53.3	53.4	53.7	53.7	53.9	53.9	54.2	54.3	54.6	54.8
48.6	52.7	53.4	54.1	54.3	54.6	54.8	54.9	55.2	55.2	55.4	55.4	55.7	55.8	56.1	56.3
49.5	54.2	55.2	55.8	56.1	56.3	56.6	56.7	57.0	57.0	57.3	57.3	57.6	57.7	58.0	58.2
51.0	56.1	57.2	57.8	58.2	58.5	58.7	58.9	59.1	59.1	59.6	59.6	59.9	60.0	60.3	60.5
52.7	58.4	59.5	60.1	60.8	61.0	61.3	61.4	61.8	61.8	62.4	62.4	62.8	62.9	63.3	63.6
53.7	60.3	62.0	62.8	63.9	64.4	65.1	65.7	66.2	66.2	67.0	67.0	67.6	67.8	68.2	69.0
53.9	61.5	63.5	64.8	66.2	67.1	68.6	69.6	70.6	71.3	72.5	72.7	73.3	73.5	74.1	74.9
54.3	62.7	64.9	66.5	68.7	70.3	72.7	74.9	75.9	77.7	80.5	80.8	82.8	83.8	85.3	87.5
54.3	62.7	64.9	66.6	69.1	70.8	73.5	76.3	77.3	79.5	82.7	82.9	86.2	87.2	90.3	98.2
54.3	62.7	64.9	66.6	69.1	70.8	73.5	76.3	77.3	79.5	82.7	82.9	86.5	87.5	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 JUL 73 TTN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM MONTHLY OBSERVATIONS

1973-1700

19.8	20.2	20.3	20.3	20.5	20.5	20.5	20.5	20.5	21.2	21.2	21.2	21.5	21.5	21.5	21.5
22.3	22.6	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.6	23.6	23.6	24.0	24.0	24.0	24.0
23.3	23.6	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.6	24.6	24.6	25.0	25.0	25.0	25.0
23.3	23.6	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.6	24.6	24.6	25.0	25.0	25.0	25.0
23.8	24.1	24.3	24.3	24.5	24.5	24.5	24.5	24.5	25.1	25.1	25.1	25.5	25.5	25.5	25.8
24.8	25.1	25.3	25.3	25.6	25.6	25.6	25.6	25.6	26.3	26.3	26.3	26.6	26.6	26.6	27.1
26.6	26.9	27.1	27.1	27.4	27.4	27.4	27.4	27.4	28.4	28.4	28.4	28.8	28.8	28.8	29.3
28.8	29.1	29.3	29.3	29.6	29.6	29.6	29.6	29.6	30.6	30.6	30.6	30.9	31.1	31.4	31.7
30.7	31.1	31.2	31.2	31.6	31.6	31.6	31.6	31.6	32.6	32.6	32.6	32.9	33.1	33.4	33.7
32.1	32.4	32.6	32.6	32.9	32.9	32.9	32.9	32.9	33.9	34.0	34.0	34.4	34.5	34.9	35.2
32.6	33.1	33.4	33.6	33.9	33.9	33.9	33.9	33.9	34.9	35.0	35.0	35.4	35.5	35.9	36.2
33.7	34.4	34.7	34.9	35.2	35.2	35.2	35.2	35.2	36.2	36.4	36.4	36.7	36.9	37.2	37.5
33.7	34.7	35.0	35.2	35.5	35.5	35.5	35.5	35.5	36.5	36.7	36.7	37.0	37.2	37.5	37.9
36.5	37.5	37.9	38.0	38.3	38.3	38.5	38.5	38.5	39.5	39.7	39.7	40.0	40.2	40.5	40.8
38.7	39.8	40.2	40.5	40.8	40.8	41.0	41.0	41.0	42.0	42.1	42.1	42.5	42.6	43.0	43.3
39.2	40.3	40.7	41.0	41.3	41.3	41.5	41.5	41.5	42.5	42.6	42.6	43.0	43.1	43.5	43.8
40.7	41.2	41.5	41.8	42.1	42.1	42.3	42.3	42.3	43.3	43.5	43.5	43.8	44.0	44.3	44.8
43.0	44.6	45.0	45.5	45.8	45.8	46.0	46.0	46.0	46.9	47.1	47.1	47.4	47.6	47.9	48.4
43.5	45.1	45.5	46.0	46.3	46.3	46.4	46.4	46.4	47.4	47.6	47.6	48.1	48.3	48.6	49.1
44.5	46.1	46.4	46.9	47.3	47.3	47.6	47.6	47.6	48.6	48.8	48.8	49.3	49.4	49.8	50.2
45.1	46.9	47.3	47.8	48.1	48.1	48.4	48.4	48.4	49.4	49.6	49.6	50.1	50.2	50.6	51.1
45.5	47.3	47.6	48.1	48.6	48.6	48.9	48.9	48.9	49.9	50.4	50.4	51.1	51.2	51.7	52.4
46.3	48.1	48.4	48.9	49.4	49.4	49.8	49.8	49.8	50.7	51.2	51.2	51.9	52.1	52.6	53.2
47.6	50.2	50.7	51.2	51.7	51.7	52.1	52.1	52.1	53.1	53.6	53.6	54.2	54.4	54.9	55.5
48.3	51.1	51.7	52.2	53.1	53.1	53.4	53.4	53.4	54.4	55.0	55.2	55.9	56.0	56.5	57.2
49.9	52.7	53.4	54.0	55.0	55.0	55.5	55.5	55.7	56.7	57.4	57.5	58.2	58.3	58.8	59.7
51.2	54.5	55.2	56.2	57.7	57.9	58.5	58.5	58.7	59.8	60.7	61.0	61.7	61.8	62.5	63.3
51.6	55.0	56.2	57.5	59.2	59.7	60.7	60.7	60.8	62.3	63.1	63.5	64.1	64.3	65.1	66.0
52.1	56.2	58.2	60.7	62.6	63.6	65.0	65.8	66.1	68.3	69.8	70.1	71.1	71.2	72.1	73.1
52.2	56.9	59.2	62.3	65.1	66.3	68.4	70.2	70.9	73.9	78.0	78.7	80.8	81.0	83.1	84.6
52.2	56.9	59.3	62.5	65.6	66.8	69.1	71.1	71.7	75.0	79.8	80.5	84.1	84.3	88.9	97.5
52.2	56.9	59.3	62.5	65.6	66.8	69.1	71.1	71.7	75.2	80.0	80.7	85.1	85.3	90.1	100.0

TOTAL NUMBER OF OBSERVATIONS 605

2
1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TUN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

17.7	17.7	17.7	18.3	18.5	18.5	18.8	18.8	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.2	19.4
19.0	19.2	19.2	19.8	20.0	20.0	20.2	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.6	20.8
20.8	21.0	21.0	21.7	21.9	21.9	22.1	22.1	22.1	22.3	22.3	22.3	22.3	22.3	22.3	22.5	22.7
20.8	21.0	21.0	21.7	21.9	21.9	22.1	22.1	22.1	22.3	22.3	22.3	22.3	22.3	22.3	22.5	22.7
21.7	21.9	21.9	22.5	22.7	22.7	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.5
22.3	22.5	22.5	23.1	23.3	23.3	23.5	23.5	23.5	23.8	23.8	23.8	23.8	23.8	23.8	24.0	24.2
22.9	23.3	23.3	24.0	24.2	24.2	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.8	25.0
25.4	26.0	26.0	26.7	26.9	26.9	27.1	27.1	27.1	27.3	27.3	27.3	27.3	27.3	27.3	27.5	27.7
28.3	29.0	29.2	29.8	30.0	30.0	30.2	30.2	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.6	30.8
29.4	30.4	30.6	31.3	31.5	31.5	31.7	31.7	31.7	31.9	31.9	31.9	31.9	31.9	31.9	32.1	32.3
30.3	32.1	32.3	32.9	33.1	33.1	33.3	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.8	34.0
33.1	34.4	34.6	35.2	35.4	35.4	35.6	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	36.0	36.3
33.3	34.6	34.8	35.4	35.6	35.6	35.8	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.3	36.5
35.2	36.9	37.1	37.7	37.9	37.9	38.1	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.8
37.9	39.6	39.8	40.4	40.6	40.6	40.8	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.3	41.5
38.3	40.0	40.2	40.8	41.0	41.0	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.7	41.9
39.6	41.5	41.7	42.3	42.5	42.5	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	43.1	43.3
40.2	42.5	42.7	43.3	43.5	43.5	43.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.4
40.2	42.7	42.9	43.5	43.8	43.8	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.4	44.8
40.2	43.1	43.3	44.0	44.2	44.2	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.8	45.6
41.7	44.6	44.8	45.4	45.6	45.6	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.3	46.5	47.3
42.1	45.4	45.6	46.3	46.5	46.5	46.7	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.3	47.7	48.8
43.1	46.5	46.7	47.3	47.5	47.5	47.7	47.7	47.7	47.9	48.1	48.1	48.1	48.1	48.3	48.8	49.8
43.5	46.9	47.1	47.9	48.3	48.3	48.5	48.5	48.5	48.8	49.0	49.0	49.0	49.0	49.2	49.6	50.6
44.2	47.9	48.1	49.0	49.4	49.4	49.6	49.6	49.6	49.8	50.0	50.0	50.0	50.0	50.2	50.6	52.1
45.4	50.0	50.2	52.1	52.5	52.5	52.9	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.5	54.0	55.4
45.8	50.8	51.3	53.1	53.8	53.8	54.2	54.4	54.8	55.2	55.4	55.4	55.4	55.4	55.6	56.0	58.3
46.7	52.3	53.1	55.0	56.5	56.5	57.1	57.3	57.7	58.3	58.5	58.5	58.5	58.5	59.0	59.4	61.7
47.5	54.8	56.3	58.3	60.0	60.6	61.9	62.5	62.9	64.0	64.4	64.4	64.4	64.6	65.0	65.8	68.1
47.7	55.4	57.7	60.4	62.7	63.3	65.6	66.9	67.5	69.0	71.3	71.3	72.7	73.1	76.5	79.6	
47.7	55.6	57.9	60.6	63.1	63.8	66.5	67.9	68.5	70.0	72.9	72.9	75.8	76.3	83.1	95.2	
47.7	55.6	57.9	60.6	63.1	63.8	66.5	67.9	68.5	70.0	72.9	72.9	75.8	76.3	83.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 483

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 JUL 73 TIN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM MONTHLY OBSERVATIONS

2100-2300

18.3	18.9	19.2	19.4	19.4	19.4	19.4	19.4	19.7	19.7	19.7	19.7	19.9	20.0	20.5	21.6
20.7	21.3	21.6	21.8	22.0	22.0	22.0	22.0	22.3	22.5	22.5	22.5	22.8	22.9	23.4	24.6
21.3	22.0	22.3	22.5	22.6	22.6	22.6	22.6	22.9	23.1	23.1	23.1	23.4	23.6	24.1	25.2
21.6	22.3	22.6	22.6	22.9	22.9	22.9	22.9	23.3	23.4	23.4	23.4	23.7	23.9	24.4	25.5
22.5	23.1	23.4	23.6	23.7	23.7	23.7	23.7	24.1	24.2	24.2	24.2	24.6	24.7	25.2	26.3
23.1	23.7	24.1	24.2	24.4	24.4	24.4	24.4	24.7	24.9	24.9	24.9	25.2	25.4	25.8	27.0
24.2	24.9	25.2	25.4	25.5	25.5	25.5	25.5	25.8	26.0	26.0	26.0	26.3	26.5	27.0	28.1
25.7	26.3	26.7	26.8	27.0	27.0	27.0	27.0	27.3	27.5	27.5	27.5	27.8	27.9	28.4	29.6
26.7	27.5	27.8	27.9	28.1	28.1	28.1	28.1	28.4	28.6	28.6	28.6	28.9	29.1	29.6	30.7
28.3	29.6	29.9	30.0	30.2	30.2	30.2	30.2	30.5	30.7	30.7	30.7	31.0	31.2	31.7	32.8
29.6	31.0	31.3	31.5	31.7	31.7	31.7	31.7	32.0	32.1	32.1	32.1	32.5	32.6	33.1	34.2
31.2	32.6	33.1	33.3	33.4	33.4	33.4	33.4	33.8	33.9	33.9	33.9	34.2	34.4	34.9	36.0
31.2	32.6	33.1	33.3	33.4	33.4	33.4	33.4	33.8	33.9	33.9	33.9	34.2	34.4	34.9	36.0
32.6	34.7	35.1	35.2	35.5	35.5	35.5	35.5	35.9	36.0	36.0	36.0	36.3	36.5	37.0	38.1
33.9	36.2	36.5	36.7	37.2	37.2	37.2	37.2	37.5	37.6	37.6	37.6	38.0	38.1	38.6	39.7
34.6	36.8	37.2	37.5	38.1	38.1	38.1	38.1	38.4	38.6	38.6	38.6	38.9	39.1	39.6	40.7
36.3	38.9	39.4	39.7	40.4	40.4	40.4	40.4	40.7	40.9	40.9	40.9	41.2	41.4	41.8	43.0
37.0	40.1	40.5	40.9	41.5	41.5	41.5	41.5	41.8	42.0	42.0	42.0	42.3	42.5	43.0	44.1
37.0	40.1	40.5	40.9	41.5	41.5	41.5	41.5	41.8	42.0	42.0	42.0	42.3	42.5	43.0	44.1
37.3	40.4	41.0	41.5	42.2	42.2	42.2	42.2	42.5	42.6	42.6	42.6	43.0	43.1	43.6	45.2
37.3	40.7	41.4	41.8	42.6	42.6	42.6	43.0	43.3	43.5	43.5	43.5	43.8	43.9	44.4	46.0
38.0	41.2	41.8	42.3	43.5	43.5	43.6	44.3	44.6	44.7	44.7	44.7	45.1	45.2	45.7	47.7
39.4	42.6	43.5	43.9	45.1	45.1	45.2	45.9	46.2	46.4	46.4	46.4	46.7	46.8	47.3	49.3
40.7	45.1	45.7	46.2	47.5	47.7	47.8	48.5	48.8	48.9	48.9	48.9	49.3	49.4	49.9	51.9
42.2	47.7	48.6	49.1	51.1	51.4	51.5	52.2	52.5	52.7	52.7	52.7	53.0	53.2	53.6	55.6
42.8	48.9	50.1	50.7	52.7	53.0	53.5	54.1	54.4	54.6	54.6	54.6	55.3	55.4	55.9	57.8
43.5	50.2	51.4	52.0	54.0	54.3	54.8	55.4	55.7	56.1	56.4	56.4	57.0	57.2	57.7	60.4
43.9	51.4	53.0	54.0	56.2	56.5	57.4	58.0	58.3	58.6	59.0	59.0	59.6	59.8	60.6	63.5
44.3	53.2	54.8	56.1	58.8	59.6	60.7	61.4	61.9	62.2	63.2	63.2	64.0	64.1	64.9	69.0
44.3	53.6	55.3	57.0	60.1	61.2	63.2	64.9	65.9	66.6	69.3	69.5	71.7	72.7	75.1	81.9
44.3	53.8	55.4	57.4	60.7	61.9	64.0	66.6	67.9	69.0	72.7	72.9	75.8	77.1	80.9	93.9
44.3	53.8	55.4	57.4	60.7	61.9	64.0	66.6	67.9	69.0	72.7	72.9	75.8	77.1	81.9	100.0

TOTAL NUMBER OF OBSERVATIONS 619

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700170 TTN CITY AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATION

ALL

18.6	19.4	19.6	19.8	19.9	19.9	20.0	20.1	20.1	20.3	20.5	20.5	20.7	20.7	21.0	21.6
21.0	21.8	22.0	22.3	22.5	22.5	22.6	22.7	22.7	22.9	23.1	23.1	23.3	23.4	23.7	24.5
21.9	22.7	23.0	23.3	23.4	23.5	23.6	23.6	23.7	23.8	24.1	24.1	24.4	24.4	24.8	25.6
22.1	23.0	23.2	23.5	23.7	23.7	23.9	23.9	24.0	24.1	24.4	24.4	24.7	24.7	25.1	25.9
22.6	23.5	23.7	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.9	24.9	25.2	25.2	25.6	26.4
23.2	24.2	24.4	24.7	24.9	25.0	25.1	25.1	25.2	25.3	25.6	25.6	25.9	25.9	26.3	27.2
24.2	25.3	25.5	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.7	26.7	27.0	27.0	27.5	28.3
25.5	26.6	26.9	27.2	27.3	27.4	27.5	27.5	27.6	27.8	28.1	28.1	28.4	28.5	28.9	29.7
27.5	28.7	28.9	29.2	29.4	29.5	29.6	29.6	29.7	29.9	30.2	30.2	30.5	30.5	31.0	31.8
29.2	30.5	30.7	31.1	31.2	31.3	31.4	31.5	31.6	31.7	32.1	32.1	32.3	32.4	32.8	33.7
30.1	31.4	31.8	32.1	32.2	32.4	32.5	32.5	32.6	32.8	33.1	33.1	33.4	33.5	33.9	34.7
31.1	32.5	32.8	33.2	33.3	33.4	33.5	33.6	33.7	33.8	34.2	34.2	34.4	34.5	34.9	35.8
31.4	32.9	33.2	33.5	33.7	33.8	33.9	34.0	34.1	34.2	34.6	34.6	34.8	34.9	35.4	36.2
32.7	34.6	34.9	35.3	35.5	35.6	35.7	35.8	35.9	36.1	36.4	36.4	36.7	36.7	37.2	38.0
34.8	36.8	37.1	37.5	37.7	37.8	38.0	38.0	38.1	38.3	38.7	38.7	38.9	39.0	39.4	40.3
35.5	37.6	37.9	38.4	38.6	38.7	38.8	38.9	39.0	39.2	39.5	39.5	39.8	39.9	40.3	41.2
36.7	38.9	39.2	39.7	39.9	40.0	40.2	40.2	40.3	40.5	40.8	40.8	41.1	41.2	41.7	42.5
37.9	40.5	40.9	41.4	41.6	41.7	41.9	42.0	42.0	42.2	42.6	42.6	42.8	42.9	43.4	44.2
38.1	40.7	41.1	41.6	41.8	42.0	42.1	42.2	42.3	42.5	42.8	42.8	43.1	43.2	43.7	44.5
38.9	41.7	42.1	42.6	42.9	43.1	43.3	43.4	43.5	43.7	44.0	44.0	44.3	44.4	44.9	45.8
39.8	42.7	43.2	43.8	44.1	44.3	44.5	44.7	44.7	44.9	45.3	45.3	45.6	45.7	46.1	47.1
40.6	43.7	44.2	44.8	45.3	45.4	45.7	45.9	46.0	46.2	46.6	46.6	46.9	47.0	47.5	48.6
41.3	44.4	45.0	45.7	46.1	46.3	46.6	46.8	46.9	47.1	47.5	47.5	47.8	47.9	48.4	49.4
42.4	46.1	46.8	47.5	48.0	48.1	48.5	48.7	48.8	49.0	49.4	49.4	49.7	49.8	50.3	51.4
43.3	47.5	48.3	49.1	49.7	50.0	50.3	50.5	50.6	50.8	51.3	51.3	51.6	51.7	52.2	53.4
44.5	49.4	50.5	51.5	52.3	52.6	53.1	53.4	53.6	53.7	54.2	54.2	54.6	54.8	55.3	56.5
45.4	51.2	52.4	53.6	54.7	55.0	55.7	56.0	56.2	56.5	57.1	57.2	57.6	57.7	58.3	59.8
46.2	52.7	54.5	56.0	57.7	58.2	59.3	59.8	60.1	60.4	61.2	61.2	61.7	61.9	62.6	64.3
46.6	54.2	56.1	58.0	60.1	61.1	62.7	63.6	64.3	65.1	66.5	66.6	67.5	67.8	68.8	71.0
46.7	54.6	56.8	59.0	61.8	63.0	65.6	67.5	68.5	70.1	73.1	73.4	75.8	76.6	78.9	83.8
46.7	54.6	56.9	59.1	62.1	63.3	66.4	68.6	69.7	71.6	75.2	75.6	79.0	79.9	84.0	96.4
46.7	54.6	56.9	59.1	62.1	63.3	66.4	68.6	69.7	71.6	75.2	75.6	79.3	80.2	84.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1170 TIN CITY AFS AK

73-81

408

PERCENTAGE FREQUENCY OF OCCURRENCE
BASED ON 1000 OBSERVATIONS

0000-0200

11.7	13.4	13.6	13.7	13.7	13.9	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.4
12.6	14.3	14.4	14.5	14.5	14.8	15.0	15.0	15.0	15.0	15.3	15.3	15.3	15.3	15.3	15.4
12.7	14.4	14.5	14.7	14.7	14.9	15.2	15.2	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.7
12.7	14.4	14.5	14.7	14.7	14.9	15.2	15.2	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.7
12.8	14.5	14.7	14.8	14.8	15.0	15.3	15.3	15.3	15.3	15.5	15.5	15.5	15.5	15.5	15.6
13.1	15.2	15.3	15.4	15.4	15.7	15.9	15.9	15.9	15.9	16.2	16.2	16.2	16.2	16.2	16.4
13.8	15.9	16.0	16.2	16.2	16.4	16.6	16.6	16.6	16.6	16.9	16.9	17.0	17.0	17.0	17.3
14.1	16.4	16.5	16.6	16.6	16.9	17.1	17.1	17.1	17.1	17.4	17.4	17.5	17.5	17.5	17.8
15.9	18.2	18.4	18.5	18.5	18.7	19.0	19.0	19.0	19.0	19.2	19.2	19.4	19.4	19.4	19.6
17.5	20.2	20.5	20.6	20.6	20.8	21.1	21.1	21.1	21.1	21.3	21.3	21.7	21.7	21.7	21.9
18.7	21.8	22.1	22.2	22.2	22.4	22.7	22.7	22.7	22.7	22.9	22.9	23.3	23.3	23.3	23.6
20.1	23.9	24.2	24.3	24.3	24.5	24.9	24.9	24.9	24.9	25.2	25.2	25.5	25.5	25.5	25.8
20.1	24.0	24.3	24.7	24.7	24.9	25.3	25.3	25.3	25.3	25.5	25.5	25.9	25.9	25.9	26.1
20.8	25.2	25.4	25.8	25.8	26.1	26.5	26.5	26.5	26.5	26.8	26.8	27.1	27.1	27.1	27.4
21.9	26.9	27.1	27.6	27.9	28.2	28.6	28.6	28.6	28.6	28.9	28.9	29.2	29.2	29.2	29.5
22.2	27.4	27.6	28.1	28.6	29.0	29.3	29.3	29.3	29.3	29.6	29.6	30.0	30.0	30.0	30.2
23.6	28.9	29.1	29.7	30.2	30.6	30.9	30.9	30.9	30.9	31.2	31.2	31.6	31.6	31.6	31.8
25.3	31.7	31.9	32.6	33.3	33.7	34.4	34.4	34.4	34.4	34.6	34.6	35.0	35.0	35.0	35.3
25.6	32.6	32.9	33.5	34.3	34.6	35.4	35.4	35.4	35.4	35.6	35.6	36.0	36.0	36.0	36.3
26.4	34.2	34.5	35.1	35.9	36.3	37.0	37.0	37.0	37.0	37.2	37.2	37.6	37.6	37.6	37.9
28.7	37.5	38.2	38.8	39.6	40.0	40.7	40.7	40.7	40.7	40.9	40.9	41.3	41.3	41.3	41.6
30.0	39.0	40.1	40.7	41.7	42.0	42.9	42.9	42.9	42.9	43.2	43.2	43.5	43.5	43.5	43.8
33.0	43.0	44.1	44.8	45.7	46.1	47.0	47.0	47.0	47.0	47.2	47.2	47.6	47.6	47.6	47.8
34.6	45.6	47.1	48.1	49.1	49.6	50.9	50.9	50.9	50.9	51.3	51.3	51.8	51.8	51.8	52.0
36.3	48.5	50.2	51.3	53.0	53.6	55.7	55.9	55.9	56.0	56.4	56.4	56.8	56.8	56.8	57.1
36.5	50.1	51.9	53.1	55.1	55.7	58.1	59.2	59.2	59.6	59.9	59.9	60.8	60.8	60.8	61.0
37.1	51.5	53.4	54.6	56.8	57.5	60.2	61.3	61.4	62.4	62.8	62.8	63.7	63.7	63.9	64.5
37.9	53.5	55.5	56.8	59.9	60.8	63.7	65.0	65.2	66.2	66.7	66.7	68.1	68.2	68.3	68.9
38.5	54.7	57.6	58.9	62.9	63.9	68.2	70.7	71.3	72.6	73.4	73.6	75.2	75.3	76.1	77.4
38.7	55.6	58.4	59.9	64.4	65.6	70.3	73.1	73.9	76.6	78.7	79.0	81.6	81.8	83.1	85.1
38.7	55.6	58.4	59.9	64.5	65.7	70.5	73.5	74.2	77.8	80.0	80.4	83.6	83.7	86.9	94.1
38.7	55.6	58.4	59.9	64.5	65.7	70.5	73.5	74.2	77.8	80.0	80.4	83.7	83.8	87.4	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TIN CITY AFS AK

73-81

AGE

FOR UNCLASSIFIED DATA
FROM 1973-01-01 TO 1973-12-31

0307-0500

10.9	11.0	11.2	11.2	11.2	11.2	11.4	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.9	12.0
11.8	12.0	12.1	12.1	12.1	12.3	12.5	12.7	12.9	12.9	13.0	13.0	13.0	13.0	13.1	13.2
11.8	12.0	12.1	12.1	12.1	12.3	12.5	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.1	13.2
11.9	12.1	12.3	12.3	12.3	12.4	12.6	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.2	13.4
12.1	12.4	12.5	12.5	12.5	12.6	12.9	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.5	13.6
13.1	13.4	13.5	13.5	13.5	13.6	13.8	14.2	14.2	14.2	14.3	14.3	14.5	14.5	14.6	14.7
13.6	13.8	14.7	14.0	14.0	14.2	14.5	14.8	14.8	14.8	15.0	15.0	15.1	15.1	15.2	15.3
13.8	14.1	14.2	14.3	14.3	14.6	14.8	15.2	15.2	15.2	15.3	15.3	15.4	15.4	15.6	15.7
15.9	16.5	16.7	16.8	16.8	17.0	17.4	17.9	17.9	17.9	18.0	18.0	18.1	18.1	18.3	18.4
16.9	18.0	18.1	18.3	18.3	18.5	18.9	19.4	19.4	19.4	19.5	19.5	19.9	19.9	20.0	20.1
18.4	19.7	19.9	20.0	20.0	20.2	20.6	21.1	21.1	21.1	21.2	21.2	21.6	21.6	21.7	21.8
19.4	21.4	21.6	21.7	21.7	21.9	22.3	22.8	22.8	22.8	22.9	22.9	23.3	23.3	23.4	23.5
19.4	21.4	21.6	21.7	21.7	21.9	22.3	22.8	22.8	22.8	22.9	22.9	23.3	23.3	23.4	23.5
20.6	22.9	23.0	23.2	23.2	23.4	23.9	24.4	24.4	24.4	24.5	24.5	24.9	24.9	25.0	25.1
22.4	24.9	25.0	25.1	25.1	25.4	25.9	26.3	26.3	26.3	26.5	26.5	26.8	26.8	27.0	27.1
22.9	25.6	25.7	25.9	26.1	26.3	26.8	27.3	27.3	27.3	27.5	27.5	27.8	27.8	27.9	28.1
23.4	26.6	27.2	27.3	27.7	27.9	28.4	28.9	28.9	29.0	29.2	29.2	29.5	29.5	29.7	29.8
25.1	29.8	30.6	30.9	31.6	31.9	32.4	32.8	32.8	33.0	33.1	33.1	33.5	33.5	33.6	33.7
26.0	30.6	31.5	31.7	32.5	32.7	33.2	33.7	33.7	33.8	33.9	33.9	34.3	34.3	34.4	34.6
28.4	33.9	34.8	35.0	35.8	36.0	36.5	37.0	37.0	37.1	37.3	37.3	37.6	37.6	37.7	37.9
30.3	36.5	37.4	37.6	38.5	38.8	39.3	39.8	39.8	40.0	40.1	40.1	40.4	40.4	40.6	40.7
31.5	38.0	39.1	39.6	40.9	41.3	41.9	42.9	42.9	43.1	43.3	43.3	43.6	43.6	43.8	43.9
33.0	40.1	41.3	41.8	43.4	43.8	44.4	45.3	45.3	45.6	45.7	45.7	46.1	46.1	46.2	46.3
35.2	42.9	44.2	44.9	46.6	47.1	47.7	48.8	48.8	49.0	49.1	49.1	49.5	49.5	49.6	49.8
36.9	45.3	47.7	48.5	50.7	51.3	52.1	53.4	53.6	54.0	54.2	54.2	54.5	54.5	54.7	54.8
37.4	46.2	49.1	50.1	52.5	53.4	54.4	56.4	56.5	57.1	57.2	57.2	57.6	57.6	57.7	57.8
38.8	48.2	51.5	52.5	55.4	56.4	57.5	59.6	59.7	60.3	60.4	60.4	61.0	61.0	61.2	61.6
39.6	49.5	52.9	53.9	58.2	59.2	61.4	63.5	63.6	64.3	64.6	64.6	65.3	65.3	65.7	66.3
40.4	51.2	55.3	56.9	61.8	62.9	66.1	68.9	69.1	70.2	70.8	71.0	72.1	72.4	73.3	74.4
40.9	52.1	56.6	58.2	64.0	65.4	69.5	72.9	73.7	76.1	78.2	78.3	80.5	81.0	83.7	86.3
40.9	52.1	56.6	58.2	64.3	65.8	70.0	73.5	74.3	77.1	79.5	79.7	82.7	83.2	88.0	95.5
40.9	52.1	56.6	58.2	64.3	65.8	70.0	73.5	74.3	77.2	79.7	79.8	82.8	83.3	88.8	100.0

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TTN CITY AFS AK

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM MONTH OF OBSERVATION

0600-0600

9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.9	9.9	10.0	10.0	10.0	10.3	10.3	10.5	10.9
10.6	10.6	10.6	10.6	10.8	10.8	10.8	10.9	10.9	11.0	11.0	11.0	11.4	11.4	11.8	12.1
10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.3	11.3	11.3	11.6	11.6	12.0	12.4
11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.5	11.5	11.6	11.6	11.6	12.0	12.0	12.4	12.7
11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.5	11.5	11.6	11.6	11.6	12.0	12.0	12.4	12.7
11.5	11.6	11.9	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.2	12.6	12.6	13.2	13.6
13.2	13.2	13.3	13.3	13.5	13.5	13.5	13.6	13.6	13.7	13.7	13.7	14.1	14.1	14.7	15.1
13.6	13.6	13.7	13.7	13.8	13.8	13.8	14.0	14.0	14.1	14.1	14.1	14.4	14.4	15.1	15.4
15.1	15.4	15.7	15.7	15.8	15.8	15.8	15.9	15.9	16.0	16.0	16.0	16.6	16.6	17.3	17.6
17.6	18.2	18.5	18.5	18.6	18.6	18.7	18.8	18.8	19.0	19.0	19.0	19.6	19.6	20.2	20.6
18.1	18.7	19.1	19.1	19.2	19.2	19.3	19.5	19.5	19.6	19.6	19.6	20.2	20.2	20.9	21.3
19.3	20.1	20.4	20.4	20.6	20.6	20.7	20.8	20.9	20.9	21.1	21.1	21.1	21.7	21.7	22.5
19.8	20.6	20.9	20.9	21.1	21.2	21.3	21.4	21.4	21.5	21.5	21.5	22.2	22.2	23.0	23.4
22.0	22.8	23.1	23.1	23.3	23.5	23.6	23.7	23.7	23.9	23.9	23.9	24.5	24.5	25.3	25.7
23.1	24.0	24.5	24.5	24.6	24.8	25.0	25.1	25.1	25.2	25.2	25.2	25.8	25.9	26.8	27.2
23.9	25.3	25.8	25.8	25.9	26.2	26.3	26.4	26.4	26.6	26.6	26.6	27.2	27.2	28.2	28.5
25.3	26.9	27.5	27.5	27.7	27.9	28.0	28.2	28.2	28.3	28.3	28.3	28.9	29.0	29.9	30.2
28.3	30.1	30.7	30.7	30.8	31.1	31.3	31.5	31.5	31.6	31.6	31.6	32.2	32.3	33.2	33.5
29.0	30.8	31.6	31.6	31.7	31.9	32.3	32.4	32.4	32.6	32.6	32.6	33.2	33.3	34.1	34.5
30.8	33.4	34.6	34.6	34.8	35.0	35.4	35.5	35.5	35.6	35.6	35.6	36.2	36.4	37.2	37.6
33.7	36.5	37.9	38.2	38.3	38.6	38.9	39.0	39.0	39.2	39.2	39.2	39.8	39.9	40.8	41.1
35.6	39.2	41.1	41.4	41.6	41.9	42.6	43.2	43.2	43.5	43.5	43.5	44.1	44.2	45.0	45.4
36.8	41.0	43.0	43.2	43.6	43.8	44.6	45.2	45.2	45.4	45.4	45.4	46.0	46.1	47.0	47.5
39.2	43.7	45.7	45.9	46.3	46.5	47.2	47.9	47.9	48.1	48.1	48.1	48.7	48.8	49.7	50.2
41.2	46.4	49.3	49.8	50.3	50.6	51.4	52.0	52.0	52.3	52.3	52.3	52.9	53.0	53.9	54.3
42.5	48.2	51.7	52.5	53.5	54.0	54.8	55.8	55.8	56.2	56.3	56.3	56.9	57.0	57.9	58.4
43.5	49.6	53.1	54.2	55.4	56.2	57.2	58.5	58.5	59.0	59.1	59.1	59.7	59.9	60.7	61.2
43.7	50.8	54.8	56.5	59.2	60.3	61.8	63.2	63.2	64.0	64.3	64.4	65.2	65.5	66.5	67.1
44.6	52.4	56.7	59.0	62.1	63.5	66.5	68.2	68.3	69.6	70.5	70.6	72.0	72.3	73.4	75.0
44.8	53.4	57.6	60.1	63.5	65.4	69.9	72.9	73.7	76.6	79.4	79.6	81.9	82.4	84.1	87.0
44.9	53.7	58.0	60.5	64.1	66.0	70.7	73.8	74.5	78.0	81.6	81.9	84.9	85.6	89.2	96.9
44.9	53.7	58.0	60.5	64.1	66.0	70.7	73.8	74.5	78.1	81.8	82.0	85.1	85.7	90.0	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71177 TUN CITY AFS AK

73-81

495

PER MONTHLY OBSERVATIONS
PER MONTHLY OBSERVATIONS

0900-1100

11.8	11.8	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.3	12.3	12.3	12.3	12.3	12.7
12.4	12.5	12.5	12.6	12.7	12.7	12.7	12.7	12.7	12.7	13.0	13.0	13.0	13.0	13.0	13.5
12.4	12.5	12.5	12.6	12.7	12.7	12.7	12.7	12.7	12.7	13.0	13.0	13.0	13.0	13.0	13.5
12.6	12.7	12.7	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.2	13.2	13.2	13.2	13.2	13.7
12.7	12.9	12.9	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.4	13.4	13.4	13.4	13.4	13.8
13.1	13.2	13.2	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.8	13.8	13.8	13.8	13.8	14.3
14.1	14.1	14.1	14.2	14.3	14.3	14.3	14.5	14.5	14.5	14.7	14.7	14.7	14.7	14.7	15.2
14.7	14.8	14.8	15.0	15.1	15.1	15.1	15.2	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.9
17.2	17.5	17.5	17.6	17.9	17.9	17.9	18.0	18.0	18.0	18.3	18.3	18.3	18.3	18.3	18.8
18.9	19.4	19.4	19.5	19.7	19.7	19.7	19.9	19.9	19.9	20.1	20.1	20.1	20.1	20.1	20.6
20.1	20.6	20.6	20.7	21.0	21.0	21.0	21.1	21.1	21.1	21.3	21.3	21.3	21.3	21.3	21.6
21.1	21.8	21.8	21.9	22.3	22.3	22.3	22.5	22.5	22.5	22.8	22.8	22.9	22.9	22.9	23.4
21.6	22.4	22.4	22.5	22.9	22.9	22.9	23.2	23.2	23.2	23.4	23.4	23.5	23.5	23.5	24.0
22.4	23.8	23.8	24.0	24.4	24.4	24.4	24.6	24.6	24.6	24.9	24.9	25.0	25.0	25.0	25.5
23.3	25.4	25.5	25.7	26.2	26.3	26.3	26.6	26.6	26.6	26.8	26.8	27.3	27.3	27.3	27.5
24.6	26.2	26.3	26.7	27.5	27.6	27.6	27.8	27.8	27.8	28.1	28.1	28.3	28.3	28.3	28.9
25.6	27.5	27.6	27.9	28.7	28.8	28.8	29.0	29.0	29.0	29.3	29.3	29.5	29.5	29.7	30.1
27.9	30.1	30.3	30.6	31.4	31.5	31.7	32.0	32.1	32.1	32.4	32.4	32.6	32.6	32.7	33.2
28.6	31.0	31.1	31.5	32.2	32.4	32.6	32.8	33.0	33.0	33.2	33.2	33.5	33.5	33.6	34.1
30.9	33.1	33.2	33.6	34.4	34.6	34.8	35.2	35.3	35.3	35.5	35.5	35.8	35.8	35.9	36.4
34.9	37.3	37.4	37.9	38.7	38.8	39.1	39.5	39.6	39.6	39.8	39.8	40.2	40.2	40.3	40.8
37.4	39.8	40.7	41.2	42.4	42.6	43.3	43.8	43.9	44.0	44.2	44.2	44.6	44.6	44.7	45.2
40.0	42.4	43.4	44.1	45.3	45.6	46.2	46.7	46.8	46.9	47.2	47.2	47.5	47.5	47.7	48.2
42.2	45.0	46.3	47.1	48.3	48.5	49.3	49.9	50.0	50.1	50.4	50.4	50.9	50.9	51.0	51.5
44.9	48.9	50.5	51.6	53.2	53.4	54.2	54.9	55.0	55.3	55.5	55.5	56.0	56.0	56.3	56.7
46.7	51.6	53.8	55.1	57.0	57.5	58.2	58.9	59.1	59.3	59.6	59.6	60.0	60.0	60.3	60.6
48.0	53.3	56.0	57.8	60.3	60.8	61.5	62.6	62.7	63.0	63.2	63.4	63.8	63.8	64.1	64.6
48.8	54.9	58.0	59.9	63.0	64.0	64.8	65.9	66.1	66.4	66.7	66.9	67.4	67.4	67.9	68.5
50.2	57.0	60.4	63.0	66.5	68.4	69.9	71.2	71.9	72.9	74.1	74.4	75.2	75.4	75.9	76.6
50.9	58.0	61.8	64.3	68.5	70.6	73.5	76.1	77.7	79.8	82.6	82.8	84.6	84.9	86.5	88.6
51.1	58.5	62.5	65.2	69.5	71.6	74.5	77.3	78.9	81.7	84.9	85.2	88.1	88.6	91.3	97.9
51.1	58.5	62.5	65.2	69.5	71.6	74.5	77.3	78.9	81.7	84.9	85.2	88.4	88.8	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-61

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 1000 TO 1700

15.0-1720

10.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
12.7	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
14.4	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
14.4	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
14.4	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
15.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
16.6	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
17.2	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
19.8	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
23.1	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
23.7	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
24.8	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
28.4	29.0	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
30.4	31.5	32.1	32.1	32.1	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
31.6	32.9	33.5	33.6	33.6	33.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
33.2	34.4	35.0	35.3	35.3	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
36.9	38.9	39.7	40.0	40.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
38.0	40.0	40.8	41.1	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
39.8	42.0	43.1	43.6	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
42.9	45.4	46.5	47.0	47.3	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
45.6	48.1	49.8	50.2	50.5	50.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
48.7	51.8	53.6	54.1	54.6	54.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
50.4	54.4	56.3	56.7	57.5	57.8	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
51.8	56.9	59.2	60.6	61.4	61.9	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.7
52.7	58.3	60.8	62.5	63.7	64.2	65.9	65.9	66.0	66.2	66.2	66.2	66.4	66.4	66.5	66.8
54.6	61.2	64.3	66.4	68.1	68.7	70.5	70.7	70.9	71.0	71.0	71.0	71.3	71.3	71.8	72.1
56.0	63.6	66.8	69.3	71.6	72.4	74.6	75.2	75.3	75.5	75.5	75.5	75.8	75.8	76.3	76.6
56.9	64.7	67.9	70.9	73.8	75.0	77.8	79.1	79.4	80.0	80.3	80.5	81.1	81.1	81.6	81.9
57.2	65.7	69.0	72.2	76.1	77.7	81.2	83.7	84.2	85.7	87.0	87.1	89.5	90.2	91.0	91.8
57.2	66.2	69.5	73.0	77.1	78.6	82.3	85.0	85.4	87.0	88.4	88.5	91.8	92.6	94.1	98.6
57.2	66.2	69.5	73.0	77.1	78.6	82.3	85.1	85.6	87.1	88.7	88.8	92.2	93.0	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 645

2
GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

400

2100-2300

10.8	12.1	12.1	12.2	12.2	12.2	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
11.4	13.1	13.1	13.3	13.3	13.3	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
11.4	13.1	13.1	13.3	13.3	13.3	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
11.4	13.1	13.1	13.3	13.3	13.3	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
11.8	13.5	13.5	13.7	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
11.8	13.5	13.5	13.7	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.3	14.3	14.3	14.3	14.3	14.3	14.3
13.5	15.4	15.4	15.6	15.6	15.6	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1
13.8	15.9	15.9	16.0	16.0	16.0	16.4	16.4	16.4	16.4	16.4	16.6	16.6	16.6	16.6	16.6	16.6	16.6
16.3	18.3	18.4	18.6	18.6	18.6	19.0	19.0	19.0	19.0	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2
16.6	20.7	20.7	21.0	21.0	21.0	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.8	21.8	21.8	21.8	21.8
19.3	22.7	22.3	22.5	22.6	22.6	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.3	23.3	23.3	23.3	23.3
20.2	23.5	23.8	23.9	24.1	24.1	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.8	24.8	24.8	24.8	24.8
20.2	23.8	24.1	24.2	24.4	24.4	24.8	24.8	24.8	24.8	24.8	24.9	24.9	25.1	25.1	25.1	25.1	25.1
21.0	24.6	24.9	25.1	25.2	25.2	25.6	25.6	25.6	25.6	25.6	25.8	25.8	25.9	25.9	25.9	25.9	25.9
21.6	26.1	26.4	26.5	26.7	26.7	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.4	27.4	27.4	27.4	27.4
22.3	26.8	27.1	27.7	28.2	28.2	28.7	28.7	28.7	28.7	28.7	28.8	28.8	29.0	29.0	29.0	29.0	29.0
24.6	29.4	29.7	30.3	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.6	31.6	31.6	31.6	31.6
27.1	32.3	32.9	33.6	34.3	34.3	34.9	34.9	34.9	34.9	34.9	35.0	35.0	35.2	35.2	35.2	35.2	35.2
27.7	33.0	33.7	34.4	35.2	35.2	35.7	35.7	35.7	35.7	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0
29.5	35.4	36.3	37.3	38.0	38.0	38.6	38.6	38.6	38.6	38.6	38.8	38.8	38.9	38.9	38.9	38.9	38.9
32.1	38.9	39.8	40.9	41.6	41.6	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.5	42.5	42.5	42.5	42.5
33.3	40.2	41.1	42.7	43.8	43.8	44.8	45.0	45.0	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2
36.3	44.1	45.1	47.0	48.1	48.1	49.1	49.3	49.3	49.3	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7
39.5	48.1	49.6	51.6	53.0	53.0	54.3	54.5	54.5	54.5	54.5	54.8	54.8	54.9	54.9	54.9	54.9	54.9
40.6	50.3	51.9	53.9	55.5	55.5	57.6	57.9	57.9	57.9	57.9	58.2	58.2	58.4	58.4	58.4	58.4	58.4
41.9	52.2	54.2	56.3	58.4	58.4	61.1	61.7	61.7	61.7	61.7	62.2	62.2	62.5	62.5	62.5	62.5	62.5
42.4	52.7	54.9	57.1	59.4	59.4	62.7	63.3	63.3	63.3	63.5	64.1	64.1	64.4	64.4	64.4	64.4	64.4
43.7	55.0	57.6	60.1	62.4	62.7	66.9	67.6	67.6	67.6	67.9	68.6	68.6	69.0	69.0	69.0	69.0	69.0
43.8	56.5	59.4	62.1	64.8	65.1	70.5	72.5	72.5	72.5	72.8	74.8	74.8	75.5	75.6	75.6	75.6	75.6
43.9	57.3	60.5	63.4	67.4	67.7	74.6	77.4	77.7	78.2	80.6	81.0	82.6	82.9	84.1	85.6	85.6	85.6
43.9	57.5	60.7	63.5	67.6	67.9	75.1	78.0	78.5	80.3	83.0	83.1	85.4	85.9	88.9	96.0	96.0	96.0
43.9	57.5	60.7	63.5	67.6	67.9	75.1	78.0	78.5	80.3	83.0	83.1	85.4	85.9	88.9	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 694

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TUN CITY AFS AK

73-81

AUG

APPROXIMATE HAZARD END OF DATA
RECORDING PERIOD

1800-2000

10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
11.5	11.5	11.5	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
11.9	11.9	11.9	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
12.4	12.4	12.4	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
12.6	12.6	12.6	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
13.3	13.3	13.3	13.7	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
14.9	14.9	14.9	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
16.3	16.3	16.3	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
18.8	18.8	18.8	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
22.2	22.2	22.2	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3
22.9	22.9	22.9	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.0
24.3	24.3	24.3	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6
24.5	24.5	24.5	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8
26.5	26.5	26.6	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.9	27.9	27.9	27.9	27.9	27.9
27.7	27.9	28.2	29.8	30.0	30.0	30.0	30.2	30.2	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4
28.8	29.1	29.5	31.1	31.4	31.4	31.4	31.6	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8
30.7	31.3	31.6	33.2	33.6	33.6	33.6	33.7	33.7	33.7	33.9	33.9	34.1	34.1	34.1	34.1	34.1
35.0	35.7	36.1	37.7	38.5	38.5	38.5	38.7	38.7	38.7	38.9	38.9	39.1	39.1	39.1	39.1	39.1
36.1	36.9	37.3	38.9	39.8	39.8	39.8	40.0	40.0	40.0	40.1	40.1	40.3	40.3	40.3	40.3	40.3
38.9	40.7	41.2	43.0	43.9	43.9	43.9	44.0	44.0	44.0	44.2	44.2	44.4	44.4	44.4	44.4	44.4
43.2	45.1	45.6	47.4	48.3	48.3	48.3	49.0	49.2	49.2	49.2	49.4	49.4	49.6	49.6	49.6	49.6
44.0	46.5	47.2	49.2	50.6	51.2	51.3	51.5	51.5	51.5	51.5	51.7	51.7	51.9	51.9	51.9	51.9
46.7	50.1	50.8	52.9	54.4	54.9	55.1	55.2	55.2	55.2	55.4	55.4	55.6	55.6	55.6	55.6	55.6
48.8	52.8	53.5	55.8	57.2	57.7	57.9	58.1	58.3	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6
50.3	56.1	57.0	59.5	61.3	61.8	62.9	63.1	63.2	63.4	63.6	63.6	63.9	63.9	63.9	63.9	63.9
51.7	58.1	59.3	62.3	64.8	65.5	66.6	66.8	67.0	67.1	67.3	67.3	67.9	67.9	67.9	67.9	67.9
53.3	60.7	62.2	65.4	67.9	68.6	70.0	70.3	70.5	70.7	70.9	70.9	71.4	71.4	71.4	71.4	71.4
54.4	62.9	64.3	68.2	71.6	72.6	74.4	74.8	75.0	75.1	75.3	75.3	75.8	75.8	75.8	76.0	76.4
54.5	64.3	66.1	70.3	73.9	75.1	76.9	77.8	78.0	78.2	79.2	79.2	80.1	80.1	80.5	80.8	80.8
54.5	64.5	66.3	70.7	74.2	75.5	78.2	79.9	80.1	80.8	83.5	83.5	85.8	86.1	86.9	87.6	87.6
54.5	64.7	66.4	71.2	74.8	76.0	79.6	82.1	82.2	83.1	85.8	85.8	88.6	89.5	91.8	98.0	98.0
54.5	64.7	66.4	71.2	74.8	76.0	79.6	82.1	82.2	83.1	85.8	85.8	88.6	89.5	91.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 563

GENERAL CLIMATOLOGY BRANCH
SARLATAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-170 TUN CITY AFS AK

73-81

AUG

ALL

FOR ENVOY IN FIELD ENDS 1000 HOURS
FROM HQ AFCEC-AT-100

11.2	11.7	11.7	11.8	11.8	11.8	11.9	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.2	12.3
12.2	12.8	12.9	12.9	13.0	13.0	13.2	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.4	13.6
12.7	13.2	13.3	13.4	13.4	13.5	13.6	13.6	13.6	13.7	13.7	13.7	13.8	13.8	13.9	14.0
12.8	13.4	13.4	13.5	13.6	13.6	13.7	13.8	13.8	13.8	13.9	13.9	13.9	13.9	14.0	14.2
13.7	13.6	13.6	13.7	13.7	13.8	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.2	14.4
13.5	14.2	14.2	14.3	14.3	14.4	14.5	14.6	14.6	14.6	14.7	14.7	14.8	14.8	14.9	15.1
14.5	15.2	15.2	15.3	15.4	15.4	15.6	15.6	15.6	15.7	15.8	15.8	15.8	15.8	15.9	16.1
15.1	15.9	15.9	16.0	16.1	16.1	16.3	16.3	16.3	16.4	16.5	16.5	16.5	16.5	16.6	16.8
17.3	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.8	18.8	18.9	18.9	18.9	19.0	19.1	19.3
19.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.2	21.2	21.3	21.3	21.5	21.5	21.6	21.8
20.5	21.7	21.8	22.0	22.1	22.1	22.3	22.4	22.4	22.4	22.5	22.5	22.7	22.7	22.8	23.0
21.6	23.1	23.3	23.5	23.6	23.6	23.8	23.9	23.9	23.9	24.1	24.1	24.3	24.3	24.4	24.6
21.8	23.4	23.6	23.8	23.9	24.0	24.1	24.3	24.3	24.3	24.4	24.4	24.6	24.6	24.7	24.9
23.3	25.1	25.3	25.5	25.6	25.7	25.9	26.0	26.0	26.1	26.2	26.2	26.4	26.4	26.5	26.7
24.5	26.7	27.1	27.3	27.4	27.6	27.8	27.9	27.9	28.0	28.1	28.1	28.3	28.3	28.4	28.6
25.3	27.7	28.1	28.4	28.7	28.9	29.1	29.2	29.2	29.2	29.3	29.3	29.6	29.6	29.7	29.9
26.7	29.3	29.7	30.1	30.5	30.6	30.8	30.9	30.9	31.0	31.1	31.1	31.3	31.4	31.5	31.7
29.5	32.6	33.3	33.7	34.2	34.4	34.7	34.8	34.9	34.9	35.0	35.0	35.3	35.3	35.4	35.6
31.4	33.7	34.3	34.7	35.3	35.4	35.8	35.9	35.9	35.9	36.1	36.1	36.3	36.3	36.5	36.7
32.4	36.3	37.1	37.5	38.1	38.2	38.6	38.7	38.7	38.8	38.9	38.9	39.1	39.1	39.3	39.5
35.3	39.7	40.4	41.0	41.6	41.8	42.2	42.4	42.4	42.4	42.5	42.5	42.8	42.8	43.0	43.2
37.0	41.7	42.9	43.5	44.4	44.6	45.4	45.7	45.7	45.8	45.9	45.9	46.2	46.2	46.4	46.6
39.3	44.6	45.9	46.6	47.5	47.8	48.5	48.9	48.9	49.0	49.1	49.1	49.4	49.4	49.5	49.7
41.5	47.4	48.9	49.7	50.8	51.1	52.0	52.3	52.4	52.5	52.6	52.6	52.9	53.0	53.1	53.3
43.2	50.2	52.2	53.4	54.7	55.1	56.4	56.8	56.9	57.0	57.2	57.2	57.6	57.6	57.8	58.1
44.4	52.3	54.6	56.1	57.8	58.4	59.8	60.5	60.6	60.8	61.1	61.1	61.5	61.5	61.7	62.0
45.7	54.2	56.8	58.5	60.6	61.1	62.8	63.7	63.8	64.2	64.4	64.4	64.9	64.9	65.2	65.6
46.7	56.1	59.0	61.0	63.8	64.6	66.8	67.8	67.9	68.4	68.7	68.7	69.4	69.4	69.8	70.3
47.4	57.7	61.7	63.5	66.8	67.9	71.0	72.7	73.1	74.0	74.9	75.0	76.1	76.2	76.9	77.6
47.7	58.5	61.9	64.5	68.6	69.9	74.1	76.7	77.5	79.5	81.8	82.0	84.1	84.5	86.0	87.8
47.8	58.6	62.3	64.9	69.1	70.5	74.8	77.7	78.6	81.1	83.7	83.9	86.8	87.3	90.4	96.8
47.8	58.8	62.3	64.9	69.1	70.5	74.8	77.8	78.6	81.2	83.8	84.0	86.9	87.5	90.9	100.0

FORM NUMBER 10-1-59 5963

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73170 TUN CITY AFS AK

73-81

SEP

PERIOD: 01 SEP 73 TO 30 SEP 73
FROM: 0000-0000Z

0000-0000

17.2	22.1	22.2	22.2	22.3	22.5	22.5	22.5	22.5	23.0	23.5	23.5	24.0	24.0	24.7	24.0
18.1	23.0	23.1	23.1	23.2	23.4	23.4	23.4	23.4	23.9	24.4	24.4	24.9	24.9	24.9	24.9
18.4	23.4	23.5	23.5	23.6	23.7	23.7	23.7	23.7	24.3	24.8	24.8	25.3	25.3	25.7	25.3
18.9	23.9	24.0	24.0	24.1	24.3	24.3	24.3	24.3	24.8	25.3	25.3	25.8	25.8	25.8	25.8
18.9	23.9	24.0	24.0	24.1	24.3	24.3	24.3	24.3	24.8	25.3	25.3	25.8	25.8	25.8	25.8
19.0	24.0	24.1	24.1	24.3	24.4	24.4	24.4	24.4	24.9	25.4	25.4	25.9	25.9	25.9	25.9
19.1	24.4	24.5	24.5	24.6	24.8	24.8	24.8	24.8	25.3	25.8	25.8	26.3	26.3	26.3	26.3
19.4	24.9	25.0	25.0	25.2	25.3	25.3	25.3	25.3	25.8	26.3	26.3	26.8	26.8	26.8	26.8
20.7	28.4	28.5	28.5	28.6	28.8	28.8	28.8	28.8	29.3	29.8	29.8	30.3	30.3	30.3	30.3
23.4	31.3	31.5	31.5	31.6	31.7	31.7	31.7	31.7	32.2	32.7	32.7	33.2	33.2	33.2	33.2
24.5	33.1	33.2	33.2	33.4	33.5	33.5	33.5	33.5	34.0	34.5	34.5	35.0	35.0	35.0	35.0
26.1	34.9	35.7	35.0	35.2	35.3	35.3	35.3	35.3	35.8	36.3	36.3	36.8	36.8	36.8	36.8
27.0	35.9	36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.8	37.4	37.4	37.9	37.9	37.9	37.9
28.8	38.3	38.4	38.4	38.9	39.0	39.0	39.0	39.0	39.5	40.1	40.1	40.6	40.6	40.6	40.6
30.4	41.5	41.7	41.7	42.4	42.5	42.5	42.5	42.5	43.0	43.5	43.5	44.0	44.0	44.0	44.0
31.2	43.1	43.4	43.4	44.4	44.5	44.5	44.5	44.5	45.1	45.6	45.6	46.1	46.1	46.1	46.1
32.2	46.2	46.6	46.6	47.8	47.9	47.9	47.9	47.9	48.4	48.9	48.9	49.4	49.4	49.4	49.4
34.4	51.5	52.7	52.2	53.7	53.9	53.9	53.9	53.9	54.4	54.9	54.9	55.5	55.5	55.5	55.5
35.6	52.9	53.4	53.9	55.5	55.7	55.7	55.7	55.7	56.2	56.7	56.7	57.3	57.3	57.3	57.3
37.0	55.5	56.4	57.3	59.2	59.4	59.6	59.6	59.6	60.1	60.6	60.6	61.1	61.1	61.1	61.1
38.6	59.4	61.6	63.0	65.3	65.7	65.9	65.9	65.9	66.4	66.9	66.9	67.4	67.4	67.4	67.4
39.8	62.5	65.2	66.6	69.6	70.0	70.2	70.3	70.3	70.9	71.4	71.4	71.9	71.9	71.9	71.9
40.3	63.9	66.8	68.2	71.4	71.8	72.0	72.1	72.1	72.7	73.2	73.2	73.7	73.7	73.7	73.7
40.7	66.5	69.8	71.5	75.2	75.9	76.1	76.3	76.3	76.8	77.4	77.4	77.9	77.9	77.9	77.9
41.3	67.9	71.4	73.0	76.9	77.5	77.8	78.0	78.0	78.6	79.3	79.3	79.8	79.8	79.8	79.8
41.8	69.4	73.0	75.1	79.7	80.4	80.6	81.5	81.6	82.3	83.3	83.3	83.8	83.8	84.0	84.2
42.7	70.9	74.7	77.0	82.0	82.7	82.9	83.8	84.0	84.6	85.6	85.6	86.1	86.1	86.3	86.5
43.0	72.1	76.4	79.1	85.0	86.0	86.8	87.8	88.1	89.3	90.4	90.4	90.9	90.9	91.0	91.3
43.1	72.7	76.9	79.6	85.5	86.6	87.5	88.6	89.5	91.0	92.0	92.0	92.6	92.6	92.7	92.9
43.1	72.7	76.9	79.6	85.6	87.2	88.2	89.5	90.6	92.4	94.0	94.0	94.9	94.9	95.5	95.9
43.1	72.7	76.9	79.6	85.6	87.2	88.2	89.6	90.9	92.7	94.5	94.5	96.0	96.0	97.0	98.8
43.1	72.7	76.9	79.6	85.6	87.2	88.2	89.6	90.9	92.7	94.5	94.5	96.0	96.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 179

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-170 TUN CITY AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM ALL DATA AVAILABLE

1300-2500

17.1	20.7	20.7	20.7	27.8	20.8	20.9	21.1	21.5	21.5	21.7	21.7	21.8	21.8	22.2	22.3
18.3	22.0	22.0	22.0	22.2	22.2	22.3	22.5	22.9	22.9	23.1	23.1	23.2	23.2	23.6	23.6
18.4	22.3	22.3	22.3	22.6	22.6	22.7	22.9	23.2	23.2	23.5	23.5	23.8	23.8	24.3	24.4
18.8	22.7	22.7	22.7	23.0	23.0	23.1	23.2	23.6	23.6	23.9	23.9	24.1	24.1	24.6	24.8
18.8	22.7	22.7	22.7	23.0	23.0	23.1	23.2	23.6	23.6	23.9	23.9	24.1	24.1	24.6	24.8
18.8	22.7	22.7	22.7	23.0	23.0	23.1	23.2	23.6	23.6	23.9	23.9	24.1	24.1	24.6	24.8
18.9	23.0	23.0	23.0	23.2	23.2	23.4	23.5	23.9	23.9	24.1	24.1	24.4	24.4	24.9	25.0
18.9	23.4	23.4	23.4	23.6	23.6	23.8	23.9	24.3	24.3	24.5	24.5	24.8	24.8	25.3	25.4
20.3	26.7	26.7	26.7	26.9	26.9	27.1	27.2	27.6	27.6	27.8	27.8	28.1	28.1	28.6	28.7
23.0	29.5	29.5	29.5	29.8	29.8	29.9	30.0	30.4	30.4	30.7	30.7	30.9	30.9	31.4	31.5
24.0	31.4	31.4	31.4	31.7	31.7	31.8	31.9	32.3	32.3	32.6	32.6	32.8	32.8	33.3	33.5
25.3	33.3	33.3	33.3	33.6	33.6	33.7	33.8	34.2	34.2	34.5	34.5	34.7	34.7	35.2	35.4
26.6	34.7	34.7	34.7	35.0	35.0	35.1	35.2	35.6	35.6	35.9	35.9	36.1	36.1	36.7	36.8
28.5	37.0	37.0	37.0	37.3	37.3	37.4	37.5	37.9	37.9	38.2	38.2	38.4	38.4	39.0	39.1
30.4	40.0	40.6	40.6	40.9	40.9	41.0	41.1	41.5	41.5	41.8	41.8	42.0	42.0	42.5	42.7
32.7	43.2	43.8	43.8	44.1	44.1	44.2	44.4	44.8	44.8	45.1	45.1	45.3	45.3	45.8	46.0
33.6	46.0	46.7	46.9	47.4	47.4	47.5	47.8	48.1	48.1	48.4	48.4	48.7	48.7	49.2	49.3
35.8	50.8	52.0	52.2	53.1	53.1	53.4	53.6	54.0	54.0	54.3	54.3	54.5	54.5	55.0	55.2
36.7	52.0	53.5	53.9	54.9	54.9	55.2	55.4	55.8	55.8	56.1	56.1	56.3	56.3	56.8	57.0
37.9	54.3	55.9	56.7	58.5	58.5	59.0	59.4	59.8	59.9	60.2	60.2	60.4	60.4	60.9	61.0
39.3	57.9	59.9	61.3	63.2	63.2	63.7	64.1	64.5	64.8	65.0	65.0	65.3	65.3	65.8	65.9
40.2	61.2	64.0	65.5	68.5	68.5	69.6	70.1	70.5	70.8	71.0	71.0	71.3	71.3	71.8	71.9
41.0	63.0	65.9	67.6	70.5	70.5	71.6	72.2	72.5	72.8	73.1	73.1	73.3	73.3	73.8	73.9
41.9	65.4	69.2	71.1	75.1	75.1	76.2	76.8	77.1	77.4	77.8	77.8	78.0	78.0	78.5	78.7
42.3	66.7	71.0	73.1	77.0	77.0	78.2	79.2	79.6	79.8	80.2	80.2	80.6	80.6	81.1	81.2
42.5	68.1	73.3	76.0	80.7	80.7	82.1	83.9	84.5	84.9	85.6	85.6	86.1	86.1	86.6	86.7
43.4	69.5	74.8	77.5	82.4	82.4	83.8	85.6	86.2	86.6	87.2	87.2	88.0	88.0	88.5	88.6
43.4	70.4	75.9	78.5	83.8	84.0	85.8	87.6	88.3	89.0	89.7	89.7	90.4	90.4	90.9	91.1
43.4	70.5	76.0	78.8	84.0	84.5	86.7	88.9	90.4	91.6	92.6	92.6	93.5	93.5	94.1	94.3
43.4	70.5	76.0	78.8	84.2	84.8	87.4	89.7	91.2	92.3	94.0	94.0	94.9	94.9	95.9	96.2
43.4	70.5	76.0	78.8	84.2	84.8	87.5	89.8	91.4	92.7	94.4	94.4	95.4	95.5	96.9	99.4
43.4	70.5	76.0	78.8	84.2	84.8	87.5	89.8	91.4	92.7	94.4	94.4	95.4	95.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 783

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TTN CITY AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF
FROM 4000 FEET TO IN

06J0-0800

13.0	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.6	13.6	13.7	13.9	13.9	13.9	13.9	13.9	14.1
14.5	14.7	14.8	14.8	14.8	14.8	14.8	14.8	15.0	15.0	15.1	15.5	15.5	15.5	15.5	15.6	15.7
15.2	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.7	15.7	15.9	16.2	16.2	16.2	16.2	16.6	16.8
16.0	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.6	17.0	17.0	17.0	17.0	17.4	17.5
16.2	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.8	16.8	16.9	17.3	17.3	17.3	17.3	17.6	17.8
16.8	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.3	17.3	17.4	17.8	17.8	17.8	17.8	18.2	18.3
16.9	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.5	17.9	17.9	17.9	17.9	18.3	18.4
17.0	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.6	18.0	18.0	18.0	18.0	18.4	18.5
19.4	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.3	20.3	20.5	20.6	20.8	21.0	21.0	21.5	21.6
21.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.3	23.7	23.7	23.8	23.8	24.3	24.4
22.6	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.9	23.9	24.0	24.4	24.4	24.6	24.6	25.1	25.2
23.4	24.7	24.9	24.9	24.9	24.9	24.9	24.9	25.1	25.1	25.2	25.6	25.6	25.7	25.7	26.2	26.3
23.9	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.7	26.1	26.1	26.2	26.2	26.7	26.9
26.0	27.4	27.6	27.7	27.7	27.7	27.7	27.7	27.9	27.9	28.1	28.5	28.5	28.6	28.6	29.2	29.3
29.3	31.6	32.4	32.9	33.1	33.1	33.1	33.4	33.4	33.8	34.1	34.1	34.1	34.3	34.3	34.8	34.9
32.2	34.9	35.7	36.2	36.4	36.4	36.4	36.6	36.8	36.8	37.3	37.7	37.7	37.9	37.9	38.4	38.5
36.1	40.9	41.7	42.3	42.7	42.7	43.0	43.2	43.2	43.7	44.1	44.1	44.2	44.2	44.8	44.9	
41.2	48.2	49.0	49.7	50.5	50.5	50.9	51.2	51.2	51.7	52.0	52.0	52.2	52.2	52.7	52.8	
43.1	50.9	51.7	52.7	53.7	54.0	54.3	54.6	54.6	55.2	55.6	55.6	55.8	55.8	56.3	56.4	
43.9	52.3	53.2	54.2	55.5	55.9	56.3	56.8	56.9	57.7	58.1	58.1	58.2	58.2	58.7	58.8	
46.8	56.1	57.2	58.4	59.8	60.4	60.9	61.6	61.8	62.5	62.9	62.9	63.0	63.7	63.6	63.7	
48.8	59.7	61.1	62.7	64.8	65.6	66.1	67.1	67.3	68.1	68.4	68.4	68.5	68.5	69.1	69.2	
50.4	61.4	62.9	64.5	66.6	67.4	67.9	68.9	69.1	69.6	70.2	70.2	70.3	70.3	70.8	71.0	
52.1	63.4	65.6	67.3	69.6	70.3	71.6	72.8	72.9	73.7	74.0	74.0	74.2	74.2	74.7	74.8	
53.2	66.0	68.3	69.9	72.3	73.0	74.8	76.2	76.3	77.1	77.5	77.5	77.6	77.6	78.1	78.3	
53.5	68.0	71.9	73.5	76.5	77.4	79.5	80.9	81.5	82.4	83.5	83.5	83.6	83.6	84.1	84.3	
54.5	69.9	73.9	75.8	79.2	80.4	82.7	84.5	85.0	85.9	87.3	87.3	87.5	87.5	88.0	88.1	
54.6	70.7	74.7	76.6	80.2	81.6	84.5	86.7	87.2	88.5	89.9	89.9	90.0	90.0	90.7	91.0	
54.9	71.1	75.1	77.0	80.6	82.1	85.3	87.9	88.4	89.6	91.7	91.7	91.8	91.8	92.6	93.0	
54.9	71.4	75.4	77.4	80.9	82.6	86.3	89.0	89.8	91.2	93.4	93.4	94.2	94.2	95.7	96.2	
54.9	71.4	75.4	77.4	80.9	82.6	86.3	89.0	89.9	91.4	93.7	93.7	94.9	95.0	97.2	99.6	
54.9	71.4	75.4	77.4	80.9	82.6	86.3	89.0	89.9	91.4	93.7	93.7	94.9	95.0	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 782

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
OF CEILING AND VISIBILITY OBSERVATIONS

J900-1100

12.7	12.7	12.7	12.7	12.9	12.9	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.2	13.2
14.4	14.4	14.4	14.4	14.5	14.5	14.6	14.6	14.6	14.8	14.8	14.8	14.8	14.9	14.9
15.4	15.4	15.4	15.4	15.5	15.5	15.7	15.7	15.7	15.8	15.8	15.8	15.8	16.1	16.3
15.9	15.9	15.9	15.9	16.1	16.1	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.6	16.6
16.9	16.9	16.9	16.9	17.1	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.6	17.8
18.1	18.1	18.1	18.1	18.2	18.2	18.3	18.3	18.3	18.5	18.5	18.5	18.5	18.7	19.0
18.9	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.5	19.7
19.5	19.5	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.9	19.9	19.9	19.9	20.1	20.4
21.8	21.8	21.8	21.8	22.0	22.0	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.5	22.8
24.2	24.3	24.3	24.3	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	25.1	25.4
25.2	25.4	25.4	25.4	25.6	25.6	25.7	25.7	25.7	25.9	25.9	25.9	25.9	26.1	26.4
26.6	26.8	26.8	26.8	27.1	27.1	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.6	27.9
27.0	27.1	27.3	27.3	27.5	27.5	27.6	27.6	27.6	27.8	27.8	27.8	27.8	28.0	28.3
28.9	29.2	29.3	29.3	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.8	30.1	30.3
33.1	33.5	33.6	33.6	34.0	34.0	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.5	34.8
36.1	36.3	36.9	36.9	37.5	37.5	37.7	37.7	37.7	37.8	37.8	37.8	37.8	38.2	38.5
41.3	43.1	43.2	43.2	43.7	43.7	43.9	44.2	44.2	44.3	44.3	44.3	44.3	44.7	45.0
48.8	53.4	53.6	53.6	54.3	54.6	55.0	55.4	55.4	55.5	55.5	55.5	55.5	55.9	56.2
50.6	55.4	55.8	55.8	56.4	56.9	57.3	57.7	57.7	57.8	57.8	57.8	57.8	58.1	58.5
52.6	58.1	58.5	58.5	59.2	59.7	60.1	60.5	60.5	60.6	60.6	60.6	60.6	61.0	61.3
55.4	62.2	63.1	63.1	63.9	64.6	65.0	65.4	65.4	65.5	65.5	65.5	65.5	65.9	66.1
58.6	66.2	67.1	67.1	68.3	69.0	69.4	69.8	69.8	69.9	69.9	69.9	69.9	70.3	70.6
60.3	68.2	69.0	69.0	70.2	71.0	71.3	71.7	71.7	71.8	71.8	71.8	71.8	72.2	72.5
62.2	73.7	71.7	71.8	73.0	73.8	74.5	75.0	75.0	75.3	75.3	75.3	75.3	75.7	75.9
63.3	72.9	73.9	74.0	75.3	76.2	77.3	78.2	78.2	78.5	78.5	78.5	78.5	78.9	79.1
64.8	75.0	77.2	77.5	79.4	80.3	81.7	82.7	82.7	82.9	83.8	83.8	83.8	84.2	84.5
65.6	76.3	78.7	79.2	81.3	82.3	83.9	85.4	85.4	85.7	86.6	86.6	86.6	87.1	87.4
66.1	77.5	79.9	80.6	82.9	83.9	85.9	88.0	88.3	89.0	90.6	90.6	90.6	91.7	91.3
66.2	78.0	80.4	81.1	83.6	84.7	86.6	89.3	89.6	90.7	92.4	92.4	92.4	93.0	93.4
66.4	78.5	81.1	81.9	84.5	85.6	88.3	91.2	91.6	93.0	95.4	95.4	95.4	96.9	98.5
66.4	78.5	81.1	81.9	84.6	85.7	88.7	91.6	92.0	93.5	96.1	96.1	97.1	97.6	98.9
66.4	78.5	81.1	81.9	84.6	85.7	88.7	91.6	92.0	93.5	96.1	96.1	97.1	97.6	98.9

2
GLOBAL CLIMATOLOGY BRANCH
USAF LTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1175 TTN CITY AFS AK

73-81

SEP

REF: ANNA 1 FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

13.4	14.2	14.2	14.2	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
15.6	16.4	16.4	16.4	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
17.5	18.3	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
18.1	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
19.2	20.0	20.0	20.0	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
20.2	21.0	21.0	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
21.7	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
22.4	23.3	23.3	23.3	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
24.3	25.1	25.1	25.1	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
27.3	28.1	28.1	28.1	28.2	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
28.1	28.9	28.9	28.9	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
29.2	30.0	30.0	30.0	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
29.6	30.4	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
30.9	31.9	32.0	32.0	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
33.7	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
38.1	39.5	39.7	39.7	39.8	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
42.3	44.1	44.2	44.2	44.4	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
52.4	55.2	55.9	56.0	56.2	56.5	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
55.4	58.3	59.1	59.3	59.8	60.1	60.5	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
57.8	61.0	61.8	62.0	62.5	62.8	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
61.0	65.9	66.8	67.1	67.7	68.0	68.5	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
63.7	69.0	70.3	70.3	71.2	71.5	72.4	72.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
65.5	71.1	72.2	72.4	73.4	73.7	74.6	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
66.8	73.3	74.9	75.3	76.5	76.7	77.8	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
67.9	74.7	76.3	76.7	78.0	78.2	79.6	80.0	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
69.5	78.1	80.2	80.6	82.3	82.5	84.3	85.1	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
70.2	79.7	82.0	82.5	84.4	84.9	87.0	88.2	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
73.4	80.1	82.7	83.3	85.2	85.8	87.8	89.5	90.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
71.0	80.8	83.5	84.1	86.0	86.7	88.7	90.7	91.4	92.9	93.3	93.3	94.0	94.0	94.0	94.0	94.0
71.0	81.0	83.7	84.4	87.1	87.8	90.3	92.6	93.3	94.9	96.0	96.0	96.8	96.8	97.0	97.7	97.7
71.0	81.0	83.7	84.4	87.1	87.8	90.3	92.6	93.4	95.0	96.1	96.1	96.9	96.9	97.6	99.7	99.7
71.0	81.0	83.7	84.4	87.1	87.8	90.3	92.6	93.4	95.0	96.4	96.4	97.2	97.2	97.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

GLOBAL CLIMATOLOGY BRANCH
CWAFLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

SLP

1500-1700

13.5	13.7	13.7	13.7	13.7	13.9	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
15.5	15.7	15.7	15.7	15.7	15.8	16.0	16.0	16.0	16.0	16.0	16.0	16.2	16.2	16.3	16.3
16.8	17.0	17.0	17.0	17.0	17.1	17.3	17.3	17.3	17.3	17.6	17.6	17.8	17.8	17.9	17.9
17.3	17.4	17.4	17.4	17.4	17.6	17.8	17.8	17.8	17.8	18.1	18.1	18.3	18.3	18.4	18.4
18.4	18.6	18.6	18.6	18.6	18.7	18.9	18.9	18.9	18.9	19.2	19.2	19.4	19.4	19.5	19.5
19.1	19.2	19.2	19.2	19.2	19.4	19.5	19.5	19.5	19.5	19.9	19.9	20.0	20.0	20.2	20.2
19.4	19.5	19.5	19.5	19.5	19.7	19.9	19.9	19.9	19.9	20.2	20.2	20.4	20.4	20.5	20.5
20.7	20.8	20.8	20.8	20.8	21.0	21.2	21.2	21.2	21.2	21.5	21.5	21.6	21.6	21.8	21.8
23.4	23.6	23.6	23.6	23.6	23.7	23.9	23.9	23.9	23.9	24.2	24.2	24.4	24.4	24.6	24.6
26.7	26.8	26.8	26.8	26.8	27.0	27.1	27.1	27.1	27.1	27.5	27.5	27.6	27.6	27.8	27.8
27.5	27.6	27.6	27.6	27.6	27.8	27.9	27.9	27.9	27.9	28.3	28.3	28.4	28.4	28.6	28.6
28.8	28.9	28.9	28.9	28.9	29.1	29.2	29.2	29.2	29.2	29.6	29.6	29.7	29.7	29.9	29.9
29.4	29.6	29.6	29.6	29.6	29.7	29.9	29.9	29.9	29.9	30.2	30.2	30.4	30.4	30.5	30.5
30.2	30.7	31.0	31.0	31.2	31.3	31.5	31.5	31.5	31.5	31.8	31.8	32.0	32.0	32.1	32.1
33.8	34.2	34.6	34.6	34.7	34.9	35.1	35.1	35.1	35.1	35.4	35.4	35.5	35.5	35.7	35.7
38.6	39.1	39.4	39.4	39.7	39.9	40.1	40.1	40.1	40.1	40.4	40.4	40.5	40.5	40.7	40.7
43.8	44.6	45.1	45.1	45.4	45.6	45.7	45.7	45.7	45.7	46.0	46.0	46.2	46.2	46.4	46.4
54.1	55.4	55.9	56.1	56.5	56.7	56.9	56.9	56.9	56.9	57.2	57.2	57.4	57.4	57.5	57.5
56.4	58.0	58.6	59.0	59.5	59.6	59.8	59.8	59.8	59.8	60.1	60.1	60.3	60.3	60.4	60.4
59.3	61.4	62.0	62.4	62.8	63.0	63.2	63.2	63.2	63.2	63.5	63.5	63.7	63.7	63.8	63.8
61.4	64.8	65.9	66.4	67.4	67.7	68.0	68.0	68.0	68.0	68.3	68.3	68.5	68.5	68.7	68.7
64.0	68.7	70.0	70.4	71.9	72.5	72.9	72.9	72.9	72.9	73.2	73.2	73.3	73.3	73.5	73.5
65.6	70.8	72.1	72.7	74.2	74.8	75.1	75.1	75.1	75.1	75.4	75.4	75.6	75.6	75.8	75.8
66.2	72.5	74.2	74.8	76.6	77.2	77.7	77.7	77.7	77.7	78.0	78.0	78.2	78.2	78.4	78.4
67.2	74.2	75.8	76.4	78.2	79.0	79.5	79.5	79.5	79.5	79.8	79.8	80.0	80.0	80.1	80.1
68.8	76.4	78.4	79.0	80.9	82.4	83.4	83.4	83.4	83.4	83.7	83.7	83.8	83.8	84.0	84.0
70.0	78.0	80.0	80.9	83.4	85.1	86.4	86.6	86.6	86.6	86.9	86.9	87.1	87.1	87.2	87.2
70.3	79.0	81.1	82.1	85.0	87.1	88.5	88.9	88.9	88.9	89.3	89.3	89.5	89.5	89.7	89.8
70.6	79.5	81.9	83.2	86.4	88.5	90.0	90.5	90.5	90.5	91.6	91.6	91.8	91.8	91.9	92.2
71.2	80.9	83.7	85.0	88.5	90.6	92.9	93.7	94.0	94.2	96.1	96.1	96.4	96.4	96.6	97.3
71.2	80.9	83.7	85.0	88.5	90.6	92.9	93.7	94.0	94.2	96.1	96.1	96.8	96.8	96.9	99.5
71.2	80.9	83.7	85.0	88.5	90.6	92.9	93.7	94.0	94.2	96.1	96.1	96.8	96.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 619

GENERAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIA CITY AFS AK

73,75-81

SEP

PERCENTAGE OF OBSERVATIONS
FOR EACH VISIBILITY CATEGORY

1800-2100

13.6	13.8	13.8	13.8	13.8	13.9	14.1	14.1	14.1	14.1	14.1	14.1	14.7	14.7	14.9	15.0
14.1	14.3	14.3	14.3	14.3	14.5	14.7	14.7	14.7	14.7	14.7	14.7	15.2	15.2	15.4	15.6
15.4	15.6	15.6	15.6	15.6	15.8	16.0	16.0	16.0	16.0	16.0	16.0	16.7	16.7	17.1	17.2
15.6	15.8	15.8	15.8	15.8	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.9	16.9	17.7	17.4
16.1	16.3	16.3	16.3	16.3	16.5	16.7	16.7	16.7	16.7	16.7	16.7	17.4	17.4	17.8	18.0
16.1	16.3	16.3	16.3	16.3	16.5	16.7	16.7	16.7	16.7	16.7	16.7	17.4	17.4	17.8	18.0
16.7	17.1	17.1	17.1	17.1	17.2	17.4	17.4	17.4	17.4	17.4	17.4	18.2	18.2	18.5	18.7
18.0	18.3	18.3	18.3	18.3	18.5	18.7	18.7	18.7	18.7	18.7	18.7	19.4	19.4	19.8	20.0
20.6	20.9	20.9	20.9	20.9	21.1	21.3	21.3	21.3	21.3	21.3	21.3	22.0	22.0	22.4	22.6
24.8	25.7	25.7	25.7	25.7	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.8	26.8	27.2	27.3
26.1	27.0	27.0	27.0	27.0	27.2	27.3	27.3	27.3	27.3	27.3	27.3	28.1	28.1	28.4	28.6
27.0	27.9	28.1	28.1	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4	29.2	29.2	29.5	29.7
27.5	28.4	28.6	28.6	28.6	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.7	29.7	30.1	30.3
28.8	29.7	29.9	29.9	30.1	30.3	30.5	30.5	30.5	30.5	30.5	30.5	31.2	31.2	31.6	31.7
32.1	33.0	33.2	33.2	33.4	33.6	33.8	33.8	33.8	33.8	33.8	33.8	34.5	34.5	34.9	35.0
35.4	37.1	37.2	37.2	37.4	37.6	37.8	37.8	37.8	37.8	37.8	37.8	38.5	38.5	38.9	39.1
39.1	41.3	42.0	42.0	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	43.3	43.3	43.7	43.9
49.4	53.4	54.5	54.5	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4	56.1	56.1	56.5	56.7
52.3	56.3	57.4	57.6	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	59.3	59.3	59.6	59.8
54.7	58.7	59.8	60.0	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5	62.2	62.2	62.6	62.8
56.5	61.7	62.8	62.9	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.7	65.7	66.1	66.2
60.7	67.0	68.3	68.6	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.7	72.8
62.8	69.5	70.8	71.2	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	75.0	75.0	75.4	75.6
64.1	72.5	74.1	75.0	78.0	76.3	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.8	80.0
65.0	73.8	75.4	76.3	79.3	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.9	80.9	81.3	81.5
65.9	75.4	77.6	79.1	82.4	82.9	84.4	84.4	84.4	84.4	84.4	84.4	85.7	85.7	86.1	86.2
66.2	76.1	78.7	80.7	84.4	85.0	86.8	86.8	87.0	87.2	87.2	87.2	88.1	88.1	88.4	88.6
66.6	76.5	79.1	81.1	84.8	85.3	87.2	87.5	87.7	87.9	88.6	88.6	89.5	89.5	89.9	90.1
67.0	76.9	79.6	81.8	85.5	86.1	88.1	88.4	88.6	88.8	89.7	89.7	90.8	91.2	92.3	92.8
67.3	77.4	80.6	82.8	86.4	87.0	89.7	90.5	90.6	90.8	92.1	92.1	93.6	93.9	95.0	95.6
67.3	77.4	80.6	82.8	86.6	87.2	89.9	90.8	91.0	91.4	92.8	92.8	95.7	95.6	96.7	98.9
67.3	77.4	80.6	82.8	86.6	87.2	89.9	90.8	91.0	91.4	92.8	92.8	95.6	96.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TTN CITY AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FOR EACH CEILING VISIBILITY

2100-2300

15.4	19.4	19.6	19.6	19.7	19.7	19.7	19.7	19.9	19.9	19.9	19.9	20.0	20.0	20.4	20.4
16.7	19.7	19.9	19.9	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.3	20.3	20.7	20.7
17.0	20.4	20.6	20.6	20.7	20.7	20.7	20.7	20.9	20.9	20.9	20.9	21.0	21.0	21.5	21.5
17.8	21.2	21.3	21.3	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.8	21.8	22.2	22.2
17.8	21.2	21.3	21.3	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.9	21.9	22.5	22.5
17.8	21.2	21.3	21.3	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.9	21.9	22.5	22.5
18.1	21.9	22.1	22.1	22.2	22.2	22.2	22.2	22.4	22.4	22.4	22.4	22.7	22.7	23.3	23.3
18.7	22.5	22.7	22.7	22.8	22.8	22.8	22.8	23.0	23.0	23.0	23.0	23.3	23.3	23.9	23.9
20.4	25.8	25.9	26.1	26.2	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.7	26.7	27.3	27.3
22.7	28.4	28.6	28.7	29.0	29.0	29.0	29.0	29.2	29.2	29.2	29.2	29.5	29.5	30.1	30.1
24.4	30.2	30.4	30.5	30.8	30.8	30.8	30.8	31.0	31.0	31.0	31.0	31.3	31.3	31.9	31.9
25.3	31.1	31.3	31.4	31.7	31.7	31.7	31.7	31.9	31.9	31.9	31.9	32.1	32.1	32.7	32.7
26.2	32.0	32.1	32.3	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	33.0	33.0	33.6	33.6
27.7	34.2	34.4	34.5	34.8	34.8	34.8	34.8	35.0	35.0	35.0	35.0	35.3	35.3	35.9	35.9
29.8	38.2	38.8	39.0	39.3	39.3	39.4	39.4	39.6	39.6	39.6	39.6	39.9	39.9	40.4	40.4
31.6	40.4	41.0	41.2	41.8	41.8	41.9	41.9	42.1	42.1	42.1	42.1	42.4	42.4	43.0	43.0
34.4	45.0	45.6	45.8	46.4	46.4	46.5	46.8	47.0	47.0	47.0	47.0	47.3	47.3	47.9	47.9
37.5	51.0	52.6	52.9	53.6	53.6	53.8	54.1	54.2	54.2	54.2	54.2	54.5	54.5	55.1	55.1
39.1	52.9	54.7	55.3	56.3	56.3	56.4	56.7	56.9	56.9	56.9	56.9	57.2	57.2	57.8	57.8
39.9	55.0	56.9	58.2	59.6	59.7	60.0	60.3	60.4	60.4	60.4	60.4	60.7	60.7	61.3	61.3
42.2	60.0	62.2	63.6	65.5	65.6	66.1	66.4	66.5	66.5	66.5	66.5	66.8	66.8	67.4	67.4
43.4	62.7	65.3	66.8	69.2	69.3	69.8	70.1	70.2	70.2	70.2	70.2	70.5	70.5	71.1	71.1
44.7	64.4	67.3	68.7	71.1	71.3	71.7	72.0	72.1	72.1	72.1	72.1	72.4	72.4	73.0	73.0
46.7	67.9	71.6	73.5	76.3	76.6	77.3	77.9	78.1	78.1	78.1	78.1	78.4	78.4	79.0	79.0
47.3	69.0	72.9	75.1	77.9	78.4	79.1	79.7	79.9	79.9	79.9	79.9	80.1	80.1	80.7	80.7
48.1	71.1	75.4	78.1	81.5	82.2	83.3	84.3	84.4	84.6	84.7	84.7	85.0	85.0	85.6	85.6
48.6	72.6	77.2	80.0	83.6	84.3	85.5	86.7	86.8	87.0	87.1	87.1	87.6	87.6	88.1	88.1
49.0	73.5	78.2	81.2	85.2	85.9	87.7	88.9	89.0	89.3	89.6	89.6	90.1	90.1	90.8	90.8
49.7	73.5	78.5	81.6	85.6	86.5	88.6	89.9	90.7	91.0	91.7	91.7	92.4	92.4	93.2	93.2
49.3	73.5	78.7	81.9	85.9	87.0	89.3	90.7	91.4	91.7	92.6	92.6	93.5	93.5	94.5	94.8
49.7	73.5	78.8	82.1	86.1	87.1	89.8	91.6	92.3	93.0	94.1	94.1	95.3	95.3	96.4	97.9
49.0	73.5	78.8	82.1	86.1	87.1	89.8	91.6	92.3	93.0	94.2	94.2	95.7	95.7	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 675

2
1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TTN CITY AFS AK

73-81

SLP

ALL

14.7	16.4	16.4	16.4	16.5	16.6	16.6	16.7	16.8	16.9	17.0	17.0	17.2	17.2	17.3	17.3
16.0	17.7	17.7	17.7	17.8	17.9	18.0	18.0	18.1	18.2	18.3	18.3	18.5	18.5	18.7	18.7
16.8	18.6	18.7	18.7	18.8	18.8	18.9	18.9	19.0	19.1	19.3	19.3	19.5	19.6	19.8	19.9
17.3	19.2	19.2	19.2	19.3	19.4	19.5	19.5	19.6	19.7	19.9	19.9	20.1	20.1	20.4	20.4
17.8	19.6	19.7	19.7	19.8	19.9	19.9	20.0	20.0	20.2	20.3	20.3	20.6	20.6	20.9	20.9
18.3	20.1	20.1	20.1	20.2	20.3	20.4	20.4	20.5	20.6	20.6	20.8	21.0	21.0	21.3	21.4
19.7	20.6	20.6	20.6	20.7	20.8	20.9	20.9	21.0	21.1	21.3	21.3	21.5	21.6	21.8	21.9
19.3	21.3	21.4	21.4	21.5	21.6	21.6	21.7	21.7	21.8	22.0	22.0	22.3	22.3	22.6	22.6
21.3	24.1	24.2	24.2	24.3	24.4	24.5	24.5	24.6	24.7	24.9	24.9	25.1	25.2	25.5	25.5
24.1	27.2	27.2	27.2	27.4	27.4	27.5	27.6	27.6	27.7	27.9	27.9	28.2	28.2	28.5	28.6
25.2	28.4	28.5	28.5	28.7	28.7	28.8	28.8	28.9	29.0	29.2	29.2	29.4	29.5	29.8	29.8
26.4	29.8	29.9	29.9	30.0	30.1	30.2	30.2	30.3	30.4	30.6	30.6	30.8	30.8	31.1	31.2
27.1	30.5	30.6	30.6	30.8	30.8	30.9	30.9	31.0	31.1	31.3	31.3	31.5	31.6	31.9	31.9
28.7	32.4	32.6	32.6	32.8	32.9	33.0	33.0	33.1	33.2	33.4	33.4	33.6	33.7	34.0	34.0
31.5	36.0	36.3	36.4	36.7	36.8	36.9	36.9	37.0	37.1	37.3	37.3	37.6	37.6	37.9	38.0
34.3	39.3	39.7	39.8	40.2	40.3	40.4	40.5	40.6	40.7	40.9	40.9	41.2	41.2	41.5	41.6
37.7	44.0	44.5	44.6	45.1	45.1	45.3	45.4	45.5	45.7	45.9	45.9	46.1	46.2	46.5	46.5
43.8	52.2	53.0	53.3	54.0	54.2	54.4	54.6	54.7	54.8	55.0	55.0	55.3	55.3	55.6	55.7
45.7	54.4	55.4	55.6	56.6	56.6	57.1	57.3	57.3	57.5	57.7	57.7	58.0	58.0	58.3	58.4
47.4	56.8	57.9	58.5	59.6	59.9	60.2	60.4	60.5	60.7	60.9	60.9	61.2	61.2	61.5	61.6
49.7	60.8	62.3	63.1	64.6	64.9	65.3	65.6	65.7	65.9	66.1	66.1	66.3	66.4	66.7	66.7
51.8	64.4	66.2	67.1	69.2	69.6	70.1	70.5	70.6	70.9	71.0	71.0	71.3	71.3	71.6	71.7
53.2	66.3	68.2	69.1	71.2	71.6	72.2	72.5	72.6	72.9	73.1	73.1	73.3	73.4	73.7	73.7
54.5	68.8	71.2	72.3	74.8	75.3	76.1	76.5	76.6	76.9	77.1	77.1	77.4	77.4	77.7	77.8
55.4	70.4	72.9	74.2	76.7	77.2	78.2	78.8	78.9	79.2	79.4	79.4	79.7	79.7	80.0	80.1
56.3	72.5	75.7	77.2	80.3	81.0	82.3	83.2	83.4	83.8	84.4	84.4	84.7	84.7	85.0	85.1
57.0	73.9	77.4	79.1	82.4	83.2	84.7	85.9	86.1	86.6	87.2	87.2	87.5	87.6	87.9	88.0
57.3	74.8	78.4	80.2	83.9	84.9	86.7	88.1	88.4	89.2	90.1	90.1	90.4	90.5	90.8	91.0
57.5	75.2	78.9	80.8	84.5	85.6	87.6	89.3	89.9	90.8	92.0	92.0	92.5	92.6	93.1	93.3
57.7	75.5	79.3	81.3	85.2	86.4	88.9	90.8	91.5	92.6	94.2	94.2	95.1	95.2	96.1	96.6
57.7	75.5	79.4	81.3	85.3	86.5	89.0	91.0	91.8	93.0	94.8	94.8	95.9	96.1	97.3	99.3
57.7	75.5	79.4	81.3	85.3	86.5	89.0	91.0	91.8	93.0	94.8	94.8	96.1	96.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5712

2
GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
ATTN: FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.0170 TTN CITY AFS AK

73-81

001

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17.5	23.1	23.4	23.4	23.6	23.6	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
17.7	23.4	23.6	23.6	23.9	23.9	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
17.8	23.5	23.7	23.7	24.0	24.0	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
17.8	23.5	23.7	23.7	24.0	24.0	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
18.1	23.7	24.0	24.0	24.2	24.2	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
18.1	23.7	24.0	24.0	24.2	24.2	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
18.2	24.0	24.2	24.2	24.5	24.5	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
18.5	24.2	24.5	24.5	24.7	24.7	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
18.9	25.6	26.2	26.2	26.4	26.4	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
20.8	27.8	28.8	28.8	29.0	29.0	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
21.9	29.8	30.8	30.8	31.0	31.0	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
22.1	30.4	31.4	31.5	31.7	31.7	32.7	32.8	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2
22.1	30.4	31.4	31.5	31.7	31.7	32.7	32.8	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2
23.4	32.7	33.9	34.1	34.7	34.7	35.9	36.2	36.2	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7
24.8	35.9	37.9	38.1	38.9	38.9	40.5	40.7	40.7	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2
27.8	40.3	42.6	42.8	44.2	44.2	45.8	45.0	46.0	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5
31.7	46.2	48.5	49.1	51.3	51.3	53.1	53.6	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
34.6	52.9	55.7	56.5	61.0	61.0	63.2	63.7	63.7	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5
35.8	54.9	57.9	58.7	63.8	63.8	66.2	66.8	66.8	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5
37.3	59.3	62.7	63.8	70.1	70.1	73.6	74.5	74.5	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3
38.9	61.0	65.3	66.8	74.3	74.3	77.7	79.1	79.1	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8
39.0	62.4	66.4	67.9	75.5	75.5	79.0	80.4	80.6	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5
39.0	62.7	66.8	68.4	76.0	76.0	79.5	81.1	81.2	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4
39.1	63.7	67.8	69.4	77.0	77.0	80.6	82.4	82.5	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7
39.2	64.6	69.1	70.7	78.6	78.6	82.5	85.0	85.2	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
39.2	64.7	69.2	71.2	79.6	79.6	84.1	86.6	86.8	88.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
39.4	64.8	69.4	71.3	79.8	79.8	85.0	87.5	87.8	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1
39.4	65.4	70.1	72.1	81.1	81.1	86.3	89.3	89.7	92.0	93.2	93.5	94.0	94.1	94.6	95.1	95.1
39.6	65.7	70.4	72.3	81.3	81.3	86.6	89.7	90.9	93.5	94.8	95.1	95.7	95.8	96.3	96.8	96.8
39.6	66.1	70.7	72.7	81.7	81.7	87.0	90.0	91.3	94.2	96.1	96.3	97.3	97.4	98.0	98.5	98.5
39.6	66.1	70.7	72.7	81.7	81.7	87.0	90.2	91.4	94.3	96.3	96.6	98.1	98.2	98.8	99.3	99.3
39.6	66.1	70.7	72.7	81.7	81.7	87.0	90.2	91.4	94.3	96.3	96.6	98.1	98.2	98.8	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 513

GLOBAL CLIMATOLOGY BRANCH
 JAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

007

0300-0900

16.0	20.0	21.0	21.0	21.0	21.1	21.3	21.3	21.3	21.7	21.7	21.7	21.7	21.7	21.9	21.9
16.6	21.3	21.3	21.3	21.6	21.7	21.9	21.9	21.9	22.4	22.4	22.4	22.4	22.4	22.5	22.5
17.2	22.0	22.0	22.0	22.4	22.5	22.6	22.6	22.6	23.1	23.1	23.1	23.1	23.1	23.2	23.2
17.2	22.1	22.1	22.1	22.5	22.6	22.7	22.7	22.7	23.2	23.2	23.2	23.2	23.2	23.3	23.3
17.3	22.2	22.2	22.2	22.6	22.7	22.9	22.9	22.9	23.3	23.3	23.3	23.3	23.3	23.5	23.5
17.3	22.2	22.2	22.2	22.6	22.7	22.9	22.9	22.9	23.3	23.3	23.3	23.3	23.3	23.5	23.5
17.3	22.2	22.2	22.2	22.6	22.7	22.9	22.9	22.9	23.3	23.3	23.3	23.3	23.3	23.5	23.5
17.3	22.2	22.2	22.2	22.6	22.7	22.9	22.9	22.9	23.3	23.3	23.3	23.3	23.3	23.5	23.5
17.7	23.2	23.2	23.2	24.0	24.1	24.3	24.3	24.3	24.8	24.8	24.8	24.8	24.8	24.9	24.9
20.0	26.2	26.2	26.3	27.0	27.1	27.4	27.4	27.4	27.9	27.9	27.9	27.9	27.9	28.0	28.0
27.8	28.3	28.6	28.9	29.7	29.9	30.3	30.7	30.7	31.2	31.2	31.2	31.2	31.2	31.3	31.3
31.1	29.5	29.9	30.1	31.1	31.2	31.7	32.1	32.1	32.6	32.6	32.6	32.6	32.6	32.7	32.7
31.3	29.6	30.0	30.2	31.2	31.3	31.8	32.2	32.2	32.7	32.7	32.7	32.7	32.7	32.8	32.8
31.9	31.6	32.1	32.3	33.4	33.5	34.0	34.4	34.4	34.9	34.9	34.9	34.9	34.9	35.0	35.0
34.9	36.0	37.3	37.6	39.4	39.6	40.2	40.5	40.5	41.0	41.2	41.2	41.2	41.2	41.3	41.3
37.4	40.0	41.6	42.0	43.9	44.0	44.6	45.0	45.0	45.5	45.6	45.6	45.6	45.6	45.7	45.7
31.3	45.6	47.3	47.8	50.7	50.9	51.5	52.2	52.2	52.7	52.8	52.8	52.8	52.8	53.1	53.3
33.4	51.7	54.7	55.3	60.7	60.8	61.9	62.3	62.3	63.4	63.5	63.5	63.5	63.5	63.7	64.4
33.5	53.1	56.8	57.4	62.9	63.0	64.4	65.4	65.4	66.0	66.1	66.1	66.1	66.1	66.5	67.1
34.2	56.5	60.4	61.2	68.3	68.4	70.8	72.2	72.2	72.9	73.0	73.0	73.0	73.0	73.3	74.0
35.0	59.0	62.9	64.0	72.5	72.7	75.3	77.4	77.4	78.0	78.1	78.1	78.1	78.1	78.5	79.1
35.0	59.6	64.3	65.4	74.0	74.2	76.9	79.4	79.6	80.3	80.5	80.5	80.5	80.5	80.8	81.4
35.1	60.2	64.9	66.0	74.8	75.1	78.0	80.5	80.7	81.4	81.6	81.6	81.7	81.7	82.1	82.7
35.5	60.9	65.7	67.0	75.8	76.0	79.5	81.9	82.2	83.0	83.3	83.3	83.4	83.4	83.8	84.4
36.4	62.7	67.6	69.0	78.4	78.6	82.3	85.1	85.4	86.6	86.9	86.9	87.0	87.0	87.3	88.1
36.4	63.0	68.1	69.7	79.1	79.4	83.2	86.2	86.9	88.3	88.6	88.6	88.9	88.9	89.7	90.5
36.7	63.4	68.6	70.3	80.3	80.6	85.1	88.2	88.9	90.5	91.0	91.0	91.8	91.8	92.5	93.4
36.7	63.4	68.8	70.5	80.7	81.0	85.5	89.1	89.9	91.5	92.0	92.0	93.1	93.1	94.1	95.0
36.7	63.5	69.2	70.9	81.2	81.4	86.0	89.8	90.9	92.6	93.1	93.1	94.3	94.3	95.3	96.2
36.7	63.8	69.4	71.1	81.4	81.7	86.2	90.2	91.4	93.7	94.5	94.5	95.8	95.9	96.9	97.8
36.7	63.8	69.4	71.1	81.4	81.7	86.5	90.5	91.0	94.1	94.8	94.8	96.4	96.6	97.9	99.4
36.7	63.8	69.4	71.1	81.4	81.7	86.5	90.5	91.0	94.1	95.0	95.0	96.6	96.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH
CNAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 JUL 1971 TIA CITY AFS AR

73-81

001

14.8 15.0 15.6 15.6 15.7 15.7 15.7 15.7 15.7 15.9 15.9 15.9 15.9 15.9 15.9 15.9
15.3 15.9 15.9 15.9 16.0 16.0 16.0 16.0 16.0 16.1 16.1 16.1 16.1 16.1 16.1 16.1
15.9 16.7 16.7 16.7 16.9 16.9 16.9 16.9 16.9 17.0 17.0 17.0 17.0 17.0 17.0 17.0
16.1 17.0 17.0 17.0 17.1 17.1 17.1 17.1 17.1 17.2 17.2 17.2 17.2 17.2 17.2 17.2
16.1 17.0 17.0 17.0 17.1 17.1 17.1 17.1 17.1 17.2 17.2 17.2 17.2 17.2 17.2 17.2
16.1 17.0 17.0 17.0 17.1 17.1 17.1 17.1 17.1 17.2 17.2 17.2 17.2 17.2 17.2 17.2
16.1 17.0 17.0 17.0 17.1 17.1 17.1 17.1 17.1 17.2 17.2 17.2 17.2 17.2 17.2 17.2
16.7 18.0 18.1 18.2 18.3 18.3 18.3 18.3 18.3 18.5 18.5 18.5 18.5 18.5 18.5 18.5
19.1 20.3 20.4 20.5 20.7 20.7 20.8 20.8 20.8 20.9 20.9 20.9 20.9 20.9 20.9 20.9
20.4 22.1 22.3 22.4 22.6 22.6 22.8 22.8 22.8 22.9 23.1 23.1 23.1 23.1 23.1 23.1
20.3 23.1 23.2 23.5 23.7 23.7 23.9 23.9 23.9 24.0 24.2 24.2 24.2 24.2 24.2 24.2
21.4 23.7 23.9 24.1 24.4 24.4 24.5 24.5 24.5 24.6 24.8 24.8 24.8 24.8 24.8 24.8
24.6 27.6 27.7 27.9 28.2 28.2 28.4 28.4 28.4 28.5 28.9 28.9 28.9 28.9 28.9 28.9
29.9 33.6 33.9 34.6 35.2 35.2 35.4 35.4 35.4 35.5 36.3 36.3 36.4 36.4 36.4 36.4
33.1 37.5 38.0 38.7 39.4 39.4 39.6 39.6 39.6 39.7 40.5 40.5 40.6 40.6 40.6 40.6
37.9 44.6 45.3 46.1 47.5 47.5 47.7 47.7 47.7 48.0 48.8 48.8 49.2 49.2 49.4 49.4
42.4 51.2 52.6 53.9 55.6 55.7 56.7 57.4 57.4 57.8 58.8 58.8 59.3 59.3 59.7 59.7
44.2 54.0 56.0 57.3 59.2 59.3 60.8 61.7 61.7 62.4 63.3 63.3 63.8 63.8 64.2 64.2
46.6 57.4 60.1 62.1 64.9 65.3 67.8 69.0 69.0 69.7 70.8 70.8 71.5 71.5 71.8 71.8
48.1 60.0 62.9 65.1 68.8 69.4 72.2 73.7 73.7 74.4 75.8 75.8 76.6 76.6 77.1 77.1
48.8 61.1 64.3 66.5 70.2 71.2 74.2 76.3 76.5 77.2 78.6 78.6 79.5 79.5 80.0 80.1
49.2 61.6 64.9 67.2 71.2 72.2 75.4 77.5 77.7 78.5 79.8 79.8 80.7 80.7 81.2 81.3
49.3 61.9 65.9 68.3 72.3 73.3 77.1 79.5 79.7 80.4 81.8 81.8 82.7 82.7 83.1 83.3
49.9 62.5 66.8 69.1 73.8 74.8 79.1 81.9 82.2 83.0 84.6 84.6 85.5 85.5 86.0 86.1
50.4 63.6 69.0 70.4 75.6 76.8 81.8 85.0 85.2 86.2 87.8 87.8 89.2 89.2 89.7 89.8
50.6 64.2 68.6 71.0 76.5 77.7 83.1 86.7 87.1 88.3 90.0 90.0 91.6 91.6 92.1 92.3
50.6 64.3 69.0 71.3 77.0 78.4 84.0 87.7 88.2 89.4 91.4 91.4 94.2 94.2 94.7 95.0
50.6 64.3 69.1 71.5 77.2 78.6 84.4 88.4 89.1 90.3 92.5 92.6 95.6 95.6 96.3 96.6
50.6 64.3 69.1 71.5 77.4 78.7 84.6 88.8 89.8 91.3 93.6 93.7 97.0 97.0 97.9 98.2
50.6 64.3 69.1 71.5 77.4 78.7 84.6 88.8 89.8 91.4 93.7 93.8 97.2 97.2 99.3 99.5
50.6 64.3 69.1 71.5 77.4 78.7 84.6 88.8 89.8 91.4 93.7 93.8 97.2 97.2 99.3 100.0

0600-0600

TOTAL NUMBER OF OBSERVATIONS 313

4
2
GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TIN CITY AFS AK

73-81

007

1922-1122

15.1	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
16.4	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
17.4	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
17.4	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
17.5	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
17.7	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
18.1	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
18.2	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
17.7	20.6	20.7	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
23.2	24.0	24.1	24.1	24.3	24.3	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
24.3	25.5	25.7	26.1	26.2	26.2	26.4	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
25.6	27.1	27.3	27.8	28.1	28.1	28.2	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
25.6	27.1	27.3	27.8	28.1	28.1	28.2	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
29.3	31.4	31.8	32.3	32.5	32.5	32.6	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
33.4	36.6	37.1	37.9	38.4	38.4	38.8	39.4	39.4	39.7	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.0
36.8	40.5	41.0	42.1	42.6	42.7	43.3	44.1	44.1	44.3	44.5	44.5	44.6	44.6	44.6	44.7	44.7	44.7
43.0	48.4	49.0	50.6	51.5	51.8	52.5	53.7	53.7	54.2	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7
48.9	55.8	56.8	58.4	59.4	60.1	61.5	62.8	62.8	63.3	63.5	63.5	63.8	63.8	63.9	63.9	63.9	63.9
50.7	58.1	59.2	61.8	62.1	62.8	64.3	65.6	65.6	66.3	66.5	66.5	66.7	66.7	66.9	66.9	66.9	66.9
51.3	61.7	63.9	65.5	67.5	68.2	70.4	72.4	72.4	73.3	73.6	73.6	73.9	73.9	74.3	74.3	74.3	74.3
53.4	64.2	66.9	68.6	71.1	71.8	74.6	76.7	76.7	77.8	78.7	78.7	79.3	79.3	79.7	79.7	79.7	79.7
54.2	65.3	68.5	70.2	72.7	73.5	77.0	79.1	79.1	80.2	81.2	81.2	81.8	81.8	82.1	82.1	82.1	82.1
54.8	65.9	69.2	71.9	73.4	74.4	78.1	80.2	80.2	81.3	82.3	82.3	82.9	82.9	83.3	83.3	83.3	83.3
54.8	66.0	69.6	71.3	73.9	74.9	79.2	81.5	81.8	83.0	84.0	84.0	84.9	84.9	85.2	85.2	85.2	85.2
55.7	67.4	70.9	72.7	75.4	76.4	80.9	83.3	83.5	84.7	86.2	86.2	87.1	87.1	87.4	87.4	87.4	87.4
56.0	68.3	72.0	73.8	76.7	77.7	82.6	85.3	85.7	87.3	88.8	88.8	89.7	89.7	90.0	90.0	90.0	90.0
56.2	68.8	72.7	74.5	77.8	78.8	84.4	87.3	87.7	89.5	91.7	91.7	92.7	92.7	93.1	93.1	93.1	93.1
56.2	69.0	72.8	74.6	76.2	79.3	85.1	88.5	88.9	91.3	93.5	93.5	94.6	94.6	95.0	95.0	95.0	95.0
56.2	69.0	72.9	74.8	78.7	79.8	86.1	89.5	90.0	92.5	95.0	95.0	96.4	96.4	96.8	96.8	96.8	96.8
56.3	69.1	73.0	74.9	78.8	79.9	86.3	89.9	90.8	93.5	96.1	96.1	97.5	97.5	98.2	98.2	98.2	98.2
56.3	69.1	73.0	74.9	78.8	79.9	86.3	89.9	90.8	93.5	96.2	96.2	97.7	97.7	98.8	98.8	98.8	98.8
56.3	69.1	73.0	74.9	78.8	79.9	86.3	89.9	90.8	93.5	96.2	96.2	97.7	97.7	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 812

2.

73-81

367

1230-1400

16.6	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.9
17.8	18.1	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.6
18.9	19.1	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.6
19.9	19.1	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.6
19.6	19.9	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.4
19.9	20.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.6
20.4	20.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.2
20.4	20.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.2
22.7	23.0	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.5
25.5	26.1	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.9
26.2	26.6	27.3	27.3	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.9
27.3	28.1	28.6	28.6	28.9	28.9	28.9	29.1	29.1	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.8
27.6	28.4	28.9	28.9	29.1	29.1	29.1	29.4	29.4	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0
30.8	32.6	33.1	33.1	33.4	33.4	33.5	33.8	33.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.4
35.2	37.1	37.9	38.1	38.6	38.8	39.0	39.3	39.3	39.9	39.9	39.9	40.1	40.1	40.2	40.3	40.3
39.7	42.4	43.1	43.4	44.0	44.2	44.5	44.8	44.8	45.4	45.4	45.4	45.6	45.6	45.7	45.8	45.8
44.8	48.3	49.2	49.6	50.7	51.0	51.5	52.1	52.2	53.1	53.5	53.8	54.2	54.2	54.4	54.6	54.6
53.6	55.5	56.6	57.3	58.5	58.8	59.3	59.9	60.1	61.0	61.5	61.7	62.3	62.3	62.5	62.6	62.6
57.9	59.2	60.5	61.2	62.8	63.0	63.8	64.4	64.6	65.5	66.0	66.2	66.8	66.8	67.0	67.1	67.1
56.1	62.3	63.2	65.3	67.0	67.7	69.6	70.3	70.5	71.4	71.9	72.1	72.8	72.8	73.0	73.0	73.2
58.9	65.6	67.3	68.8	70.6	71.4	73.7	74.6	75.0	76.0	76.6	76.9	78.3	78.3	78.6	78.7	78.7
59.6	67.1	68.9	70.6	72.7	73.4	76.3	77.2	77.7	78.9	79.7	80.0	81.6	81.6	81.9	82.0	82.0
60.3	68.2	70.0	71.6	73.7	74.5	77.3	78.2	78.7	80.0	80.7	81.0	82.7	82.7	82.9	83.1	83.1
60.7	68.9	71.1	72.8	75.0	75.7	78.7	79.6	80.2	81.8	82.9	83.2	84.9	84.9	85.1	85.2	85.2
61.0	69.3	71.8	73.4	75.6	76.4	79.6	80.7	81.4	83.2	84.7	85.0	86.6	86.6	86.9	87.2	87.2
61.5	70.1	72.7	74.7	76.9	78.0	81.6	83.1	83.3	86.3	87.8	88.1	90.0	90.0	90.2	90.5	90.5
61.6	70.7	73.3	75.4	77.8	78.9	82.9	84.3	85.1	87.8	89.9	90.5	92.8	92.8	93.2	93.5	93.5
61.7	70.9	73.6	75.6	78.0	79.5	83.6	85.1	85.9	88.8	90.9	91.5	93.8	94.0	94.4	94.6	94.6
61.7	70.9	73.7	75.7	78.3	79.7	84.1	85.8	87.2	90.1	92.8	93.5	96.1	96.3	96.7	96.9	96.9
61.9	71.0	73.8	75.9	78.4	79.8	84.5	86.3	87.8	90.9	93.7	94.4	97.6	97.7	97.9	98.5	98.5
61.9	71.0	73.8	75.9	78.4	79.8	84.5	86.3	87.8	90.9	93.7	94.4	97.6	97.7	97.9	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 119

2
GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70170 TIN CITY AFS AK

73-81

001

1540-1700

18.4	18.6	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
19.0	19.2	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
19.9	20.0	20.2	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
20.2	20.3	20.5	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
20.9	21.0	21.2	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
21.2	21.3	21.5	21.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
21.9	21.9	22.1	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
22.1	22.2	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
24.4	24.5	24.7	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
26.7	27.4	27.5	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
27.0	27.7	27.9	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
28.3	29.0	29.2	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
28.6	29.3	29.5	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
30.6	31.6	31.8	32.1	32.4	32.8	32.8	32.8	32.8	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
35.1	36.4	36.6	36.9	37.2	37.6	37.6	37.7	37.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
40.5	41.9	42.1	42.4	42.8	43.3	43.4	43.5	43.5	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
45.7	48.0	48.3	49.2	49.8	50.2	50.5	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
54.1	58.3	58.8	59.8	61.7	61.1	61.5	63.0	63.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
57.2	61.5	62.4	63.6	64.7	65.2	65.6	67.3	67.8	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
60.5	65.2	66.3	67.5	69.7	70.1	70.8	72.6	73.1	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9
64.0	68.9	70.1	71.3	73.4	74.5	75.9	77.9	78.7	80.6	80.7	80.7	81.4	81.4	81.4	81.4	81.4	81.4
64.6	70.0	71.1	72.3	74.7	75.8	77.4	79.4	80.3	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7
65.5	71.3	72.4	73.7	76.5	77.5	79.1	81.1	82.0	84.0	85.2	85.2	85.9	85.9	85.9	85.9	85.9	85.9
65.7	71.7	73.0	74.5	77.2	78.4	80.0	82.0	82.9	85.2	86.8	86.8	87.5	87.5	87.5	87.5	87.5	87.5
66.0	72.0	73.3	74.7	77.6	78.8	80.4	82.6	83.9	87.1	88.7	88.7	89.6	89.7	89.8	89.8	89.8	89.8
66.2	72.9	74.3	75.8	79.0	80.1	82.0	84.5	85.9	89.7	91.4	91.4	92.6	92.7	92.9	92.9	92.9	92.9
66.9	73.6	75.0	76.5	79.7	81.1	83.3	85.8	87.2	91.0	93.0	93.0	94.3	94.5	94.6	94.6	94.6	94.6
66.7	73.7	75.3	76.8	80.0	81.6	84.2	87.1	88.5	92.3	94.3	94.3	95.6	95.8	96.1	96.1	96.1	96.1
66.9	73.7	75.5	76.9	80.1	81.7	84.3	88.1	89.8	93.8	95.8	95.9	97.7	97.8	98.1	98.1	98.1	98.1
66.9	73.7	75.5	76.9	80.1	81.7	84.3	88.1	89.8	93.9	95.9	96.2	98.3	98.4	98.7	98.7	98.7	98.7
66.7	73.7	75.5	76.9	80.1	81.7	84.6	88.5	90.3	94.3	96.4	96.7	98.7	98.8	99.9	100.0	100.0	100.0
66.9	73.7	75.5	76.9	80.1	81.7	84.6	88.5	90.3	94.3	96.4	96.7	98.7	98.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1170 TTN CITY AFS AK

73-74,77-81

001

1800-2000

16.3	19.5	17.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
16.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
17.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
17.9	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
18.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
18.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
18.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
19.1	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
20.7	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
23.1	27.5	27.5	27.5	27.9	27.9	27.9	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
23.1	27.9	27.9	27.9	28.3	28.3	28.3	28.5	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
24.3	29.1	29.1	29.1	29.5	29.5	29.5	29.7	29.7	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
24.3	29.3	29.3	29.3	29.7	29.7	29.7	29.9	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
24.5	29.7	29.7	29.7	30.1	30.3	30.3	30.5	30.5	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
27.9	34.5	34.7	34.7	35.7	35.9	35.9	36.5	36.5	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
32.9	39.8	40.2	40.2	41.2	41.8	42.0	42.6	42.6	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
36.3	43.4	43.8	44.0	45.2	45.8	46.0	46.6	46.6	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
43.6	56.2	56.8	58.2	59.8	60.8	62.0	63.1	63.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
46.0	60.6	62.2	63.5	65.5	66.5	67.7	68.9	69.1	70.5	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1
47.8	64.5	66.3	67.7	70.3	71.3	72.5	73.9	74.1	75.5	75.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1
50.2	69.1	70.9	72.3	75.1	76.7	78.1	79.7	80.7	82.1	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9
50.8	70.9	72.7	74.1	76.9	78.5	79.9	81.9	83.3	84.7	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5
50.8	70.9	72.7	74.3	77.1	78.9	80.3	82.5	83.9	85.5	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3
51.4	71.9	73.9	75.7	78.5	80.3	81.9	84.3	85.9	87.6	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4
52.6	74.5	76.7	78.7	81.7	83.5	85.1	88.0	89.8	92.2	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0
52.6	74.9	77.1	79.1	82.1	84.3	86.3	89.6	91.6	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6
52.6	74.9	77.1	79.1	82.1	84.5	86.5	89.8	91.8	94.8	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2
52.6	75.3	77.7	79.7	82.7	85.1	87.1	90.4	92.4	95.6	96.6	96.6	97.4	97.4	97.4	97.4	97.4	97.4
52.6	75.3	77.7	79.7	82.7	85.1	87.1	90.4	92.4	96.0	97.0	97.0	98.2	98.2	98.2	98.2	98.2	98.2
52.6	75.3	77.7	79.7	82.7	85.1	87.3	90.6	92.6	96.4	97.4	97.4	98.6	98.6	98.6	98.6	98.6	98.6
52.6	75.3	77.7	79.7	82.7	85.1	87.3	90.6	92.6	96.4	97.4	97.4	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 502

GLOBAL CLIMATOLOGY BRANCH
JMAFCTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.1177 TIN CITY AFS AK

73-81

001

0100-2300

13.2	22.2	22.2	22.2	22.7	22.7	22.8	23.0	23.0	23.4	23.4	23.4	23.4	23.4	23.4	23.4
18.2	22.4	22.4	22.4	22.8	22.8	23.0	23.1	23.1	23.6	23.6	23.6	23.6	23.6	23.6	23.6
18.5	22.7	22.7	22.7	23.1	23.1	23.3	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
18.5	22.7	22.7	22.7	23.1	23.1	23.3	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
18.5	22.7	22.7	22.7	23.1	23.1	23.3	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
18.5	22.7	22.7	22.7	23.1	23.1	23.3	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
18.5	22.7	22.7	22.7	23.1	23.1	23.3	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
19.3	24.2	24.2	24.2	24.7	24.7	24.8	25.0	25.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4
20.8	27.1	27.6	27.6	28.0	28.0	28.2	28.3	28.3	28.8	28.8	28.8	28.8	28.8	28.8	28.8
21.0	28.5	28.9	28.9	29.4	29.4	29.6	30.0	30.0	30.5	30.5	30.5	30.5	30.5	30.5	30.5
21.4	29.6	30.3	30.3	30.9	30.9	31.4	32.0	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5
21.4	29.6	30.3	30.3	30.9	30.9	31.4	32.0	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5
23.0	31.9	33.1	33.1	33.7	33.7	34.3	35.2	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.7
25.4	35.8	37.2	37.2	38.1	38.1	39.2	40.4	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9
27.6	38.9	40.4	40.4	41.3	41.3	42.4	43.6	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1
31.5	46.1	47.8	48.1	49.0	49.0	51.0	52.5	52.5	53.0	53.1	53.1	53.1	53.1	53.3	53.3
36.0	55.7	58.8	59.9	62.5	62.5	65.4	67.1	67.1	67.5	67.7	67.7	67.7	67.7	67.8	67.8
37.2	58.3	61.6	62.6	65.4	65.4	68.5	70.3	70.3	70.8	70.9	70.9	70.9	70.9	71.1	71.1
39.5	63.1	66.3	67.7	71.2	71.2	75.2	77.2	77.2	77.6	77.8	77.8	77.8	77.8	77.9	77.9
40.6	66.2	69.5	70.9	75.0	75.3	79.6	82.1	82.5	83.2	83.3	83.3	83.3	83.3	83.5	83.5
40.6	66.8	70.4	71.8	76.9	77.2	81.5	83.9	84.7	85.3	85.5	85.5	85.5	85.5	85.8	85.8
40.6	66.9	71.6	72.1	77.2	77.5	81.8	84.2	85.1	85.8	86.1	86.1	86.2	86.2	86.4	86.4
40.9	68.1	72.1	73.7	79.2	79.5	84.1	86.5	87.6	88.4	89.1	89.1	89.3	89.3	89.4	89.4
41.0	68.6	72.6	74.1	79.9	80.2	85.1	88.4	89.7	91.0	91.7	91.7	91.9	91.9	92.2	92.2
41.5	69.2	73.4	75.0	80.9	81.2	86.1	89.4	90.8	92.6	93.9	93.9	94.0	94.0	94.3	94.3
41.5	69.2	73.4	75.0	80.9	81.2	86.1	89.4	90.8	93.1	94.3	94.3	94.8	94.8	95.1	95.1
41.5	69.8	74.0	75.7	81.6	81.9	86.8	90.8	92.2	94.5	95.9	95.9	96.3	96.3	96.6	96.6
41.5	69.8	74.0	75.7	81.6	81.9	86.8	91.1	92.5	95.3	96.8	96.8	97.5	97.5	98.2	98.2
41.5	69.8	74.0	75.7	81.8	82.1	87.0	91.3	92.6	95.7	97.2	97.2	98.2	98.2	98.9	98.9
41.5	69.8	74.0	75.7	81.8	82.1	87.0	91.3	92.6	95.9	97.4	97.4	98.3	98.3	99.4	99.7
41.5	69.8	74.0	75.7	81.8	82.1	87.0	91.3	92.6	95.9	97.4	97.4	98.3	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 653

GLOBAL CLIMATOLOGY BRANCH
CMAFLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71170 TUN CITY AFS AK

73-81

OCT

ALL

16.5	18.9	19.3	19.0	19.1	19.1	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.5
17.1	19.5	19.6	19.6	19.8	19.8	19.9	19.9	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1
17.8	20.2	20.4	20.4	20.5	20.6	20.7	20.7	20.7	20.8	20.8	20.8	20.8	20.8	20.9	20.9
17.9	20.4	20.5	20.5	20.7	20.7	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0
18.2	20.6	20.7	20.8	20.9	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.3
18.4	20.8	20.9	20.9	21.1	21.1	21.2	21.2	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.4
18.6	21.0	21.2	21.2	21.3	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.7	21.7
16.7	21.2	21.3	21.3	21.5	21.5	21.6	21.6	21.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8
19.9	22.8	22.9	23.0	23.2	23.2	23.4	23.4	23.4	23.6	23.6	23.6	23.6	23.6	23.6	23.6
22.3	25.6	25.9	26.0	26.3	26.3	26.5	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8
23.0	27.0	27.4	27.5	27.8	27.9	28.1	28.3	28.3	28.5	28.6	28.6	28.6	28.6	28.6	28.6
23.8	28.1	28.5	28.7	29.1	29.2	29.4	29.7	29.7	29.9	30.0	30.0	30.0	30.0	30.0	30.1
24.5	28.3	28.7	28.9	29.3	29.3	29.6	29.9	29.9	30.1	30.2	30.2	30.2	30.2	30.2	30.3
26.7	31.2	31.7	31.9	32.4	32.4	32.8	33.1	33.1	33.4	33.5	33.5	33.5	33.5	33.5	33.6
29.6	35.8	36.6	37.0	37.8	37.9	38.4	38.8	38.8	39.2	39.4	39.4	39.5	39.5	39.5	39.5
33.2	40.2	41.2	41.6	42.5	42.7	43.3	43.7	43.7	44.1	44.3	44.3	44.3	44.3	44.4	44.4
37.8	46.5	47.5	48.3	49.7	49.9	50.7	51.5	51.5	52.0	52.3	52.3	52.4	52.4	52.6	52.6
42.8	54.5	56.2	57.2	59.7	60.0	61.3	62.3	62.4	63.1	63.5	63.5	63.7	63.7	63.9	64.0
44.6	57.2	59.3	60.4	63.1	63.4	64.9	66.1	66.1	66.9	67.3	67.3	67.5	67.5	67.7	67.9
46.5	60.9	63.5	64.9	68.5	68.9	71.2	72.6	72.7	73.5	73.9	74.0	74.2	74.2	74.5	74.6
48.4	63.9	66.6	68.1	72.4	73.0	75.7	77.4	77.7	78.6	79.2	79.2	79.7	79.7	80.0	80.1
48.8	65.0	68.0	69.5	74.0	74.7	77.5	79.5	79.9	81.0	81.6	81.6	82.2	82.2	82.5	82.6
49.2	65.5	68.6	70.2	74.8	75.5	78.5	80.5	80.9	82.0	82.7	82.8	83.3	83.3	83.6	83.8
49.4	66.2	69.5	71.2	75.9	76.6	79.9	82.0	82.6	83.9	84.8	84.8	85.4	85.4	85.7	85.9
50.0	67.2	70.7	72.4	77.4	78.1	81.7	84.1	84.8	86.5	87.5	87.6	88.2	88.2	88.6	88.8
50.2	67.9	71.5	73.3	78.5	79.3	83.3	86.0	86.8	88.9	90.1	90.1	91.0	91.0	91.4	91.6
50.4	68.3	71.9	73.8	79.2	80.1	84.4	87.3	88.1	90.4	91.9	91.9	93.0	93.1	93.4	93.7
50.4	68.5	72.3	74.2	79.7	80.7	85.2	88.4	89.3	91.7	93.2	93.4	94.7	94.8	95.2	95.5
50.5	68.6	72.4	74.3	80.0	81.0	85.6	89.0	90.2	92.8	94.5	94.7	96.3	96.4	96.9	97.2
50.5	68.7	72.6	74.5	80.1	81.1	85.8	89.3	90.7	93.5	95.4	95.6	97.4	97.5	98.1	98.5
50.5	68.7	72.6	74.5	80.1	81.1	85.9	89.4	90.8	93.7	95.6	95.8	97.7	97.8	99.1	99.7
50.5	68.7	72.6	74.5	80.1	81.1	85.9	89.4	90.8	93.7	95.6	95.8	97.8	97.8	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 5475

2
CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TUN CITY AFS AK

73-81

500

180000Z APR 73
FM 180000Z APR 73
TO 180000Z APR 73

0000-0000

22.3	30.3	32.4	32.9	34.9	35.2	36.3	38.0	38.0	38.5	38.9	38.9	39.1	39.4	39.5	39.5
22.7	30.7	32.7	33.2	35.3	35.5	36.8	38.5	38.5	39.0	39.4	39.4	39.6	39.9	40.0	40.0
23.3	31.6	33.6	34.1	36.2	36.4	37.7	39.4	39.4	39.9	40.3	40.3	40.5	40.8	40.9	40.9
23.3	31.6	33.6	34.1	36.2	36.4	37.7	39.4	39.4	39.9	40.3	40.3	40.5	40.8	40.9	40.9
23.3	31.6	33.6	34.1	36.2	36.4	37.7	39.4	39.4	39.9	40.3	40.3	40.5	40.8	40.9	40.9
24.3	32.9	34.9	35.4	37.5	37.7	39.0	40.6	40.6	41.1	41.5	41.5	41.8	42.0	42.2	42.2
24.3	33.1	35.2	35.7	37.7	38.0	39.2	40.9	40.9	41.4	41.8	41.8	42.0	42.3	42.4	42.4
24.3	33.1	35.2	35.7	37.7	38.0	39.2	40.9	40.9	41.4	41.8	41.8	42.0	42.3	42.4	42.4
25.2	34.4	36.6	37.1	39.2	39.5	40.8	42.4	42.4	42.9	43.3	43.3	43.6	43.8	43.9	43.9
25.6	34.8	37.1	37.7	40.1	40.4	41.7	43.6	43.6	44.1	44.5	44.5	44.7	45.0	45.1	45.1
26.0	35.2	37.5	38.1	40.5	40.8	42.2	44.1	44.1	44.6	45.0	45.0	45.2	45.5	45.6	45.6
26.4	36.2	38.7	39.4	41.8	42.0	43.8	45.7	45.7	46.2	46.9	46.9	47.3	47.5	47.6	47.6
26.8	36.7	39.4	40.0	42.4	42.7	44.5	46.4	46.4	46.9	47.5	47.5	47.9	48.2	48.3	48.3
27.9	38.0	40.4	41.5	44.3	44.7	46.6	48.5	48.5	49.0	49.7	49.7	50.1	50.3	50.4	50.4
28.2	38.9	41.7	42.4	45.4	45.7	47.6	49.8	49.9	50.7	51.3	51.3	51.7	52.0	52.1	52.1
28.4	39.9	43.1	43.8	45.8	47.1	49.0	51.2	51.3	52.1	52.7	52.7	53.1	53.4	53.5	53.5
28.7	41.3	45.2	46.0	47.2	47.6	51.6	53.9	54.0	54.8	55.4	55.4	56.1	56.3	56.6	56.7
29.7	43.8	47.9	49.0	52.7	53.1	55.7	58.6	58.7	59.7	60.5	60.5	61.1	61.4	61.7	61.8
30.3	45.4	49.4	50.7	54.4	54.8	57.6	61.1	61.3	62.3	63.1	63.1	63.7	63.9	64.2	64.3
30.6	46.1	50.4	51.8	56.2	56.6	60.3	63.9	64.1	65.5	66.2	66.2	66.9	67.1	67.4	67.5
31.1	48.7	53.4	54.9	60.3	60.8	64.7	69.4	69.6	71.0	71.7	71.7	72.4	72.6	72.9	73.0
31.3	50.4	55.7	57.2	62.7	63.2	67.5	72.9	73.0	74.5	75.4	75.4	76.1	76.3	76.6	76.7
31.6	51.8	57.1	58.9	64.7	65.2	69.8	75.7	75.9	77.5	78.5	78.5	79.1	79.4	80.3	80.4
32.2	52.9	58.2	60.0	66.1	66.6	71.5	77.6	78.0	80.1	81.4	81.4	82.3	82.5	83.4	83.6
32.5	53.2	58.7	60.6	66.8	67.3	72.6	78.9	79.2	81.7	83.1	83.1	84.3	84.6	85.7	85.9
32.5	53.4	58.9	60.9	67.5	68.0	73.4	79.6	80.1	82.7	84.1	84.1	85.5	85.7	87.0	87.5
32.5	53.6	59.2	61.5	68.5	69.0	74.4	81.1	81.8	84.3	86.0	86.0	87.9	88.2	90.4	91.0
32.5	53.6	59.2	61.5	68.5	69.0	74.4	81.1	81.8	84.3	86.0	86.0	88.0	88.3	90.7	91.8
32.5	53.8	59.4	61.7	68.7	69.2	74.5	81.3	81.9	84.5	86.6	86.6	88.8	89.0	91.8	93.1
32.5	53.8	59.4	61.7	68.7	69.2	74.5	81.8	82.4	85.0	87.3	87.3	90.3	90.6	94.4	96.3
32.5	53.8	59.4	61.7	68.7	69.2	74.5	81.8	82.4	85.1	87.4	87.4	90.6	90.8	94.8	98.7
32.5	53.8	59.4	61.7	68.7	69.2	74.5	81.8	82.4	85.1	87.4	87.4	90.6	90.8	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 185

GLOBAL CLIMATOLOGY BRANCH
C. A. F. L. T. A. C.
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

NQV

PERIOD: 1981 JAN 1 - 1981 DEC 31
TOTAL NUMBER OF OBSERVATIONS: 786

3307-2500

20.1	29.1	30.7	31.2	33.2	34.0	35.0	36.0	36.4	37.3	37.8	37.8	36.0	38.0	38.0	38.0
20.1	29.1	30.7	31.2	33.2	34.0	35.0	36.0	36.4	37.3	37.8	37.8	38.0	38.0	38.0	38.0
21.4	30.5	32.1	32.6	34.6	35.4	36.4	37.4	37.8	38.7	39.2	39.2	39.4	39.4	39.4	39.4
21.4	30.5	32.1	32.6	34.6	35.4	36.4	37.4	37.8	38.7	39.2	39.2	39.4	39.4	39.4	39.4
21.6	30.6	32.3	32.8	34.9	35.6	36.6	37.7	38.0	38.9	39.4	39.4	39.7	39.7	39.7	39.7
22.5	31.7	33.2	33.7	35.8	36.5	37.5	38.5	38.9	39.8	40.3	40.3	40.6	40.6	40.6	40.6
22.5	31.7	33.2	33.7	35.8	36.5	37.5	38.5	38.9	39.8	40.3	40.3	40.6	40.6	40.6	40.6
22.5	31.7	33.2	33.7	35.8	36.5	37.5	38.5	38.9	39.8	40.3	40.3	40.6	40.6	40.6	40.6
23.7	33.5	35.0	35.6	37.7	38.4	39.4	40.5	40.8	41.7	42.2	42.2	42.5	42.5	42.5	42.5
23.8	34.1	35.6	36.3	38.3	39.1	40.1	41.2	41.6	42.5	43.0	43.0	43.3	43.3	43.3	43.3
24.4	34.9	36.4	37.0	39.2	39.9	41.0	42.4	42.7	43.6	44.1	44.1	44.4	44.4	44.4	44.4
25.2	36.3	37.8	38.4	40.6	41.5	43.0	44.4	44.8	45.7	46.2	46.2	46.4	46.4	46.6	46.6
25.3	36.4	37.9	38.5	40.7	41.6	43.1	44.5	44.9	45.8	46.3	46.3	46.6	46.6	46.7	46.7
25.7	37.2	38.7	39.3	42.1	43.0	44.9	46.3	46.8	47.7	48.2	48.2	48.5	48.5	48.7	48.7
26.1	38.3	40.1	40.8	43.6	44.5	46.7	48.5	49.0	50.0	50.6	50.6	50.9	50.9	51.1	51.3
26.6	39.8	42.0	42.7	45.5	46.4	48.6	50.4	50.9	51.9	52.5	52.5	52.8	52.8	53.1	53.2
27.4	41.6	44.0	44.6	48.6	49.5	51.7	53.6	54.1	55.1	55.7	55.7	56.0	56.0	56.5	56.7
28.6	44.3	46.9	47.7	52.0	52.9	56.1	58.1	58.7	59.7	60.7	60.7	60.9	60.9	61.5	61.7
28.9	45.0	48.0	48.9	53.2	54.1	57.3	59.3	59.8	60.9	62.0	62.0	62.2	62.2	62.7	63.0
29.3	46.4	49.6	50.8	56.1	57.0	61.3	63.6	64.2	65.4	66.5	66.5	66.9	66.9	67.3	67.6
29.4	48.2	51.8	52.9	59.0	59.9	64.4	67.2	67.9	69.2	70.5	70.5	70.7	70.7	71.2	71.5
29.4	48.9	52.7	53.8	61.1	62.0	66.4	69.8	70.6	71.9	73.2	73.2	73.4	73.4	73.9	74.3
30.7	50.9	54.7	56.1	63.7	64.6	69.3	72.8	73.5	75.4	76.8	76.8	77.5	77.5	78.1	78.5
31.7	52.3	56.4	57.9	66.0	66.9	71.8	75.8	76.7	78.9	80.7	80.7	81.9	81.9	82.6	83.0
31.9	52.5	57.0	58.7	66.8	67.7	73.0	77.2	78.5	81.0	83.0	83.0	84.5	84.5	85.6	86.0
31.9	52.5	57.1	58.8	66.9	67.8	73.2	77.6	78.9	81.7	83.8	83.8	85.5	85.5	86.8	87.4
31.9	52.9	57.5	59.2	67.6	68.4	73.9	78.6	80.0	83.0	85.5	85.5	87.3	87.4	89.1	90.7
32.2	53.6	58.1	59.8	68.2	69.1	74.6	79.3	80.7	83.7	86.5	86.5	88.8	88.9	91.1	93.1
32.2	53.6	58.1	59.8	68.2	69.1	74.6	79.5	80.9	84.0	87.4	87.4	90.6	90.7	93.0	95.0
32.2	53.6	58.1	59.8	68.2	69.1	74.6	79.5	80.9	84.2	87.7	87.7	91.2	91.3	95.2	97.6
32.2	53.6	58.1	59.8	68.2	69.1	74.6	79.5	80.9	84.2	87.7	87.7	91.2	91.3	95.2	99.1
32.2	53.6	58.1	59.8	68.2	69.1	74.6	79.5	80.9	84.2	87.7	87.7	91.2	91.3	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 786

2
GENERAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1170 TTN CITY AFS AK

73-81

NQV

FOR FURTHER PRESENTATION OF DATA
FROM THIS SOURCE

1600-0300

21.2	26.7	28.0	28.3	29.6	30.2	31.9	32.5	32.5	33.2	33.5	33.7	33.8	33.8	33.8	33.8
21.5	27.2	28.5	28.8	30.1	30.7	32.4	33.0	33.0	33.9	34.3	34.4	34.6	34.6	34.6	34.6
22.0	28.2	29.5	29.9	31.1	31.8	33.4	34.1	34.1	34.9	35.3	35.5	35.6	35.6	35.6	35.6
22.0	28.2	29.5	29.9	31.1	31.8	33.4	34.1	34.1	34.9	35.3	35.5	35.6	35.6	35.6	35.6
22.1	28.3	29.6	30.0	31.3	31.9	33.5	34.2	34.2	35.1	35.5	35.6	35.7	35.7	35.7	35.7
22.7	29.0	30.2	30.6	31.9	32.5	34.2	34.8	34.8	35.7	36.1	36.2	36.3	36.3	36.3	36.3
22.7	29.0	30.2	30.6	31.9	32.5	34.2	34.8	34.8	35.7	36.1	36.2	36.3	36.3	36.3	36.3
22.7	29.0	30.2	30.6	31.9	32.5	34.2	34.8	34.8	35.7	36.1	36.2	36.3	36.3	36.3	36.3
24.4	31.0	32.3	32.7	33.9	34.6	36.2	36.8	36.8	37.7	38.1	38.2	38.4	38.4	38.4	38.4
25.8	33.2	34.9	35.3	36.6	37.2	38.9	39.5	39.5	40.4	40.8	40.9	41.0	41.0	41.0	41.0
26.4	33.9	35.7	36.1	37.5	38.1	39.8	40.5	40.5	41.6	41.9	42.1	42.2	42.2	42.2	42.2
27.6	35.3	37.1	37.5	38.9	39.5	41.2	41.9	41.9	43.2	43.6	43.7	43.8	43.8	43.8	43.8
27.6	35.3	37.1	37.5	38.9	39.5	41.2	41.9	41.9	43.2	43.6	43.7	43.8	43.8	43.8	43.8
28.7	36.6	38.6	39.0	41.0	41.7	43.3	44.2	44.2	45.6	46.0	46.1	46.3	46.3	46.3	46.3
29.2	37.9	40.0	40.4	42.6	43.2	46.1	47.1	47.1	48.5	49.2	49.3	49.6	49.6	49.7	49.7
30.1	39.4	42.1	42.4	44.7	45.4	48.4	49.6	49.6	51.1	51.7	51.8	52.1	52.1	52.2	52.2
31.6	42.1	45.2	45.7	48.5	49.2	52.4	53.6	53.6	55.1	55.8	55.9	56.2	56.2	56.3	56.3
32.4	45.4	48.9	49.7	53.1	53.7	57.4	58.8	59.0	60.7	61.9	61.9	62.1	62.1	62.3	62.3
32.9	46.5	51.2	51.1	54.5	55.1	58.8	60.2	60.4	62.1	63.2	63.3	63.5	63.5	63.7	63.7
33.3	47.8	51.7	52.6	57.2	57.9	62.1	63.9	64.0	66.1	67.1	67.2	67.5	67.5	67.6	67.6
34.1	49.4	53.7	54.8	59.8	60.6	65.2	67.2	67.3	69.5	70.6	70.8	71.0	71.0	71.3	71.3
34.4	49.9	54.3	55.5	61.6	62.4	67.0	69.4	69.9	72.7	73.8	74.0	74.2	74.2	74.5	74.5
35.1	51.1	55.4	56.8	63.0	63.8	68.6	71.2	71.8	74.6	75.9	76.0	76.4	76.4	76.7	76.7
35.5	52.2	56.5	57.9	64.8	65.6	71.2	74.3	75.2	78.0	79.5	79.7	80.3	80.3	80.8	81.1
35.7	53.1	57.7	59.6	66.8	67.6	73.8	77.3	78.3	81.3	82.8	83.0	83.7	83.7	84.5	84.8
35.7	53.1	57.7	59.6	67.1	67.9	74.3	77.9	79.2	82.5	84.2	84.4	85.6	85.6	86.8	87.3
35.7	53.4	58.1	60.1	68.1	68.9	75.3	79.0	80.3	83.6	85.5	85.8	87.3	87.4	88.7	89.6
35.7	53.4	58.1	60.1	68.1	68.9	75.5	79.8	81.1	84.8	87.0	87.3	89.6	89.7	91.0	92.6
35.7	53.4	58.1	60.1	68.1	68.9	75.5	79.9	81.2	85.1	87.9	88.2	91.2	91.5	92.9	94.7
35.7	53.4	58.1	60.1	68.1	68.9	75.5	79.9	81.2	85.1	88.2	88.4	92.0	92.2	94.9	97.6
35.7	53.4	58.1	60.1	68.1	68.9	75.5	79.9	81.2	85.1	88.2	88.4	92.0	92.2	95.2	99.1
35.7	53.4	58.1	60.1	68.1	68.9	75.5	79.9	81.2	85.1	88.2	88.4	92.0	92.2	95.4	100.0

TOTAL NUMBER OF OPERATIONS 797

2
ALBANY CLIMATOLOGY BRANCH
USAFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1177 TTN CITY AFS AK

73-81

NOV

NOVEMBER 1973
FOR THE MONTH OF NOVEMBER 1973

0910-1130

21.3	22.5	23.3	23.3	23.6	23.6	24.2	24.8	24.9	25.3	25.8	25.8	25.8	25.8	25.8	26.0	26.0
22.9	24.2	24.2	24.9	25.3	25.3	25.8	26.4	26.5	27.0	27.5	27.5	27.5	27.5	27.5	27.8	27.8
23.9	25.2	26.0	26.0	26.4	26.4	26.9	27.5	27.7	28.2	28.7	28.7	28.7	28.7	28.7	28.9	28.9
23.7	25.2	26.0	26.0	26.4	26.4	26.9	27.5	27.7	28.2	28.7	28.7	28.7	28.7	28.7	28.9	28.9
23.9	25.2	26.0	26.0	26.4	26.4	26.9	27.5	27.7	28.2	28.7	28.7	28.7	28.7	28.7	28.9	28.9
24.4	25.7	26.5	26.5	26.9	26.9	27.4	28.1	28.2	28.7	29.2	29.2	29.2	29.2	29.2	29.4	29.4
24.3	26.0	26.9	26.9	27.3	27.3	27.8	28.4	28.6	29.1	29.6	29.6	29.6	29.6	29.6	29.8	29.8
25.3	26.5	27.4	27.4	27.8	27.8	28.3	28.9	29.1	29.6	30.1	30.1	30.1	30.1	30.1	30.3	30.3
26.7	28.3	29.3	29.3	29.7	29.7	30.2	30.8	30.9	31.7	32.2	32.2	32.2	32.2	32.2	32.5	32.5
28.2	30.1	31.1	31.1	31.6	31.6	32.1	32.7	32.8	33.6	34.1	34.1	34.1	34.1	34.1	34.3	34.3
29.7	31.6	32.7	32.7	33.7	33.7	34.2	34.8	35.1	36.1	36.6	36.6	36.6	36.6	36.6	36.9	36.9
31.2	33.1	34.2	34.2	35.2	35.2	35.7	36.4	36.6	37.6	38.1	38.1	38.1	38.1	38.1	38.4	38.4
31.7	33.6	34.7	34.7	35.7	35.7	36.2	36.9	37.1	38.1	38.6	38.6	38.6	38.6	38.6	38.9	38.9
32.0	34.6	36.4	36.4	37.5	37.6	38.2	38.9	39.1	40.4	41.1	41.1	41.1	41.1	41.1	41.8	41.8
33.8	36.7	38.7	38.9	40.5	40.6	41.3	42.1	42.4	43.6	44.4	44.4	44.4	44.4	44.4	45.3	45.7
35.5	38.9	41.1	41.6	43.6	43.8	44.8	45.9	46.2	47.5	48.6	48.6	48.6	48.6	48.6	49.4	49.5
36.6	40.3	42.6	43.3	45.7	46.0	47.7	48.8	49.1	50.7	51.8	51.8	52.2	52.2	52.2	52.8	53.2
39.0	44.2	47.0	47.7	51.7	51.3	53.5	54.8	55.1	56.7	57.9	58.0	58.4	58.4	58.4	59.0	59.4
39.2	44.6	47.7	48.3	51.3	51.9	54.3	55.7	56.7	57.6	58.7	58.9	59.2	59.2	59.2	59.9	60.3
39.9	45.8	49.1	49.7	53.8	54.6	57.2	59.2	59.6	61.6	63.4	63.5	63.9	63.9	63.9	64.7	65.3
41.0	47.5	51.1	51.9	56.2	57.2	60.5	62.6	63.1	65.4	67.4	67.5	68.1	68.1	68.1	68.8	69.4
41.5	48.1	51.7	52.7	57.4	58.6	62.3	65.2	65.7	68.6	70.8	70.9	71.4	71.4	71.4	72.5	73.2
42.1	48.9	52.6	53.7	58.4	60.0	64.0	67.0	67.8	70.7	73.1	73.3	74.0	74.0	74.0	75.0	75.7
42.3	49.4	53.2	54.3	59.0	60.9	65.2	68.4	69.2	72.6	75.1	75.3	76.7	76.9	76.9	77.9	78.6
43.0	50.4	54.3	55.5	60.5	62.6	67.4	70.7	71.4	74.8	77.6	77.9	79.4	79.7	79.7	80.9	81.6
43.1	50.6	54.5	55.6	60.9	63.4	68.4	72.3	73.1	76.9	79.9	80.1	81.9	82.3	82.3	83.5	84.4
43.1	50.9	55.1	56.2	61.6	64.2	69.4	73.8	75.1	79.0	82.9	83.1	85.0	85.4	85.4	86.7	87.9
43.4	51.2	55.5	56.9	62.4	65.0	70.6	75.0	76.4	80.5	84.8	85.0	87.5	87.9	87.9	89.2	90.8
43.4	51.2	55.5	56.9	62.4	65.0	70.6	75.0	76.4	80.8	85.8	86.0	89.3	89.7	89.7	91.7	94.0
43.4	51.2	55.5	56.9	62.4	65.0	70.6	75.1	76.5	80.9	86.0	86.3	89.7	90.2	90.2	93.1	96.7
43.4	51.2	55.5	56.9	62.4	65.0	70.6	75.1	76.5	80.9	86.0	86.3	89.7	90.2	90.2	93.5	98.7
43.4	51.2	55.5	56.9	62.4	65.0	70.6	75.1	76.5	80.9	86.0	86.3	89.7	90.2	90.2	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20170 TTN CITY AFS AK

73-81

NOV

PERIOD: 10/1/72 TO 11/30/72
NO. OF OBS: 1200

1200-1400

20.7	21.6	21.8	21.8	22.2	22.4	23.0	23.9	23.9	24.2	24.3	24.3	24.3	24.4	24.4	24.7
21.6	23.0	23.7	23.7	24.1	24.2	25.1	26.0	26.0	26.3	26.4	26.7	26.7	26.6	26.8	27.0
22.4	23.5	24.2	24.3	24.7	24.8	25.7	26.7	26.7	26.9	27.0	27.3	27.3	27.4	27.4	27.7
22.9	24.1	24.7	24.8	25.4	25.5	26.4	27.3	27.3	27.6	27.7	28.0	28.0	28.1	28.1	28.3
23.5	24.7	25.4	25.5	26.0	26.1	27.2	28.1	28.1	28.5	28.6	28.9	29.0	29.1	29.1	29.4
24.1	25.2	25.9	26.0	26.5	26.7	27.8	28.7	28.7	29.1	29.3	29.5	29.6	29.8	29.8	30.0
24.2	25.4	26.0	26.1	26.7	26.6	28.0	28.9	28.9	29.3	29.4	29.6	29.8	29.9	29.9	30.2
25.1	26.3	26.9	27.0	27.6	27.7	28.9	29.8	29.8	30.2	30.3	30.6	30.7	30.8	30.8	31.1
26.7	28.3	29.3	29.4	29.9	30.0	31.2	32.1	32.1	32.5	32.6	33.0	33.2	33.3	33.3	33.6
27.8	29.9	30.9	31.1	31.6	31.7	32.9	33.8	33.8	34.2	34.3	34.7	34.9	35.0	35.0	35.2
28.2	30.3	31.5	31.6	32.2	32.4	33.6	34.7	34.9	35.2	35.4	35.8	35.9	36.0	36.0	36.3
29.4	31.6	32.8	32.9	33.6	33.8	35.0	36.4	36.5	36.9	37.1	37.5	37.6	37.7	37.7	38.0
29.4	31.6	32.8	32.9	33.6	33.8	35.0	36.4	36.5	36.9	37.1	37.5	37.6	37.7	37.7	38.0
30.9	33.6	34.7	34.9	35.6	35.9	37.1	38.5	38.6	39.0	39.4	39.8	40.1	40.2	40.3	40.7
32.9	36.0	37.5	37.6	38.4	38.6	39.8	41.2	41.4	41.7	42.3	42.7	42.9	43.0	43.2	43.7
34.2	37.8	39.7	40.3	41.6	42.1	43.8	45.3	45.4	45.8	46.3	46.7	47.1	47.2	47.3	47.9
35.8	39.9	41.7	42.4	43.8	44.3	46.7	48.4	48.5	48.9	49.4	49.8	50.3	50.5	50.6	51.1
36.9	43.7	45.9	46.8	48.9	49.4	52.1	54.0	54.1	54.5	55.1	55.5	56.3	56.4	56.8	57.3
39.3	44.1	46.3	47.2	49.3	49.8	52.5	54.4	54.6	55.3	56.0	56.4	57.2	57.3	57.7	58.3
39.4	44.6	47.1	48.1	50.7	51.4	54.5	56.8	57.3	58.6	59.7	60.1	61.1	61.2	61.6	62.2
40.3	46.6	49.4	51.0	53.7	54.7	58.0	60.7	61.2	62.7	63.8	64.2	65.4	65.7	66.1	66.6
41.5	47.6	50.5	52.1	55.3	56.6	59.8	62.7	63.2	64.6	65.8	66.2	67.4	67.6	68.1	68.9
42.4	49.2	52.0	53.7	56.8	58.1	61.6	64.6	65.3	66.7	68.1	68.7	70.1	70.4	71.0	71.9
43.2	50.3	53.3	55.0	58.3	59.7	64.2	67.4	68.3	69.7	71.5	72.0	74.6	75.0	75.7	77.1
43.4	50.6	53.6	55.4	58.8	60.6	65.3	68.5	69.4	70.9	72.7	73.2	76.3	76.7	77.5	78.9
43.6	51.0	54.1	56.0	59.6	61.9	66.6	70.1	71.3	73.2	75.3	75.8	79.6	80.0	81.0	82.6
44.0	51.6	54.9	56.8	60.7	63.1	68.1	72.0	73.2	75.3	77.8	78.3	83.4	83.9	85.3	87.3
44.3	52.0	55.3	57.2	61.2	63.6	69.2	73.1	74.3	76.7	79.7	80.4	86.3	86.9	88.7	90.8
44.3	52.0	55.3	57.2	61.4	63.7	69.6	73.6	74.8	78.3	81.9	82.6	89.1	89.7	91.8	94.1
44.3	52.0	55.3	57.3	61.5	63.8	69.7	73.7	74.9	78.4	82.1	82.7	89.5	90.2	93.0	96.4
44.3	52.0	55.3	57.3	61.5	63.8	69.7	73.7	74.9	78.4	82.1	82.7	89.5	90.2	93.1	96.3
44.3	52.0	55.3	57.3	61.5	63.8	69.7	73.7	74.9	78.4	82.1	82.7	89.5	90.2	93.1	96.3

TOTAL NUMBER OF OBSERVATIONS: 769

2

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TUN CITY AFS AK

73-81

40V

1910-1700

20.5	21.1	21.3	21.3	22.4	22.4	23.1	23.7	23.7	24.1	24.3	24.3	24.5	24.7	24.7	24.7
20.8	22.0	22.3	22.5	23.7	23.7	24.7	25.2	25.2	25.7	25.8	25.8	26.2	26.4	26.4	26.4
20.8	22.0	22.3	22.5	23.7	23.7	25.1	25.7	25.7	26.1	26.2	26.2	26.7	26.8	26.8	26.8
21.3	22.1	22.4	22.7	23.8	23.8	25.2	25.8	25.8	26.2	26.4	26.4	26.8	27.1	27.7	27.7
21.7	22.8	23.1	23.4	24.5	24.5	26.0	26.5	26.5	27.0	27.1	27.1	27.5	27.7	27.7	27.7
21.7	22.8	23.1	23.4	24.5	24.5	26.0	26.5	26.5	27.0	27.1	27.1	27.5	27.7	27.7	27.7
22.7	23.1	23.4	23.7	24.8	24.8	26.2	26.8	26.8	27.2	27.4	27.4	27.8	28.0	28.7	28.7
23.1	24.3	24.5	24.8	26.0	26.0	27.4	28.0	28.0	28.4	28.5	28.5	29.0	29.1	29.1	29.1
25.5	27.1	27.4	27.7	28.8	28.8	30.2	30.8	30.8	31.2	31.7	31.7	32.1	32.2	32.2	32.2
27.7	30.0	30.2	30.5	31.7	31.7	33.1	33.7	33.7	34.1	34.8	34.8	35.2	35.4	35.4	35.4
29.8	31.4	31.7	32.0	33.1	33.1	34.5	35.5	35.5	35.9	36.7	36.7	37.1	37.2	37.2	37.2
30.2	32.7	33.7	33.2	34.4	34.5	35.9	36.9	36.9	37.4	38.1	38.1	38.5	38.7	38.7	38.7
30.4	32.8	33.1	33.4	34.5	34.7	36.1	37.1	37.1	37.5	38.2	38.2	38.7	38.8	38.8	38.8
31.1	33.5	33.8	34.1	35.2	35.4	36.8	37.8	37.8	38.2	38.9	38.9	39.4	39.5	39.5	39.5
32.1	34.7	35.1	35.4	36.5	36.7	38.2	39.5	39.5	39.9	40.7	40.7	41.1	41.2	41.4	41.4
32.8	35.8	36.5	37.1	38.8	39.2	41.2	42.5	42.5	42.9	43.7	43.7	44.1	44.2	44.4	44.4
35.7	39.2	40.2	40.8	42.9	43.8	46.5	47.9	47.9	48.8	49.5	49.5	49.9	50.1	50.2	50.2
37.7	43.1	44.2	44.9	47.4	48.2	51.6	53.1	53.1	53.9	55.1	55.1	56.2	56.3	56.5	56.5
37.8	43.2	44.4	45.1	47.9	48.8	52.5	53.9	53.9	54.8	55.9	55.9	57.2	57.3	57.5	57.5
38.7	44.7	45.9	46.6	50.5	51.4	55.6	57.9	58.2	59.2	60.6	60.6	62.3	62.6	62.9	63.1
40.5	48.2	50.1	51.2	55.2	56.1	60.9	64.1	64.3	65.6	67.5	67.5	69.2	69.6	69.9	70.0
40.9	48.6	50.5	51.6	55.8	57.1	62.6	66.5	66.9	68.5	70.3	70.3	72.2	72.8	73.5	73.8
40.9	48.6	50.5	51.6	55.8	57.2	63.2	67.0	67.5	69.0	70.9	70.9	73.2	73.6	74.6	75.0
41.4	49.2	51.1	52.2	56.3	57.8	64.3	68.2	68.8	70.3	72.3	72.3	74.9	75.5	76.3	76.7
42.2	50.5	52.5	53.6	57.8	59.8	66.6	70.9	71.5	73.0	75.2	75.2	78.0	78.6	79.5	80.2
42.4	50.6	52.8	53.9	58.1	60.1	67.3	71.8	72.5	74.6	77.2	77.2	80.7	82.2	83.0	83.0
42.4	51.1	53.2	54.9	59.3	61.6	69.0	73.9	75.0	77.3	80.6	80.6	84.0	86.6	87.9	87.9
42.5	51.2	53.4	55.1	59.8	62.1	69.6	74.5	75.6	78.3	82.0	82.0	85.6	88.4	89.3	90.6
42.5	51.2	53.4	55.1	59.8	62.1	69.9	75.6	76.7	79.7	83.9	83.9	87.9	88.7	92.4	94.7
42.5	51.2	53.6	55.5	60.2	62.5	70.3	76.0	77.2	80.2	84.3	84.3	88.3	89.4	93.7	96.7
42.5	51.2	53.6	55.5	60.2	62.5	70.3	76.0	77.2	80.2	84.3	84.3	88.4	89.6	94.2	98.0
42.5	51.2	53.6	55.5	60.2	62.5	70.3	76.0	77.2	80.2	84.3	84.3	88.4	89.6	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
410 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1177 TTN CITY AFS AK

73.77-81

90V

PERCENTAGE FREQUENCY OF OCCURRENCE
OF CEILING VERSUS VISIBILITY

1900-2000

21.4	26.3	27.4	27.8	28.0	28.0	28.2	28.6	28.6	28.6	29.2	29.2	29.4	29.4	29.6	29.6
21.4	26.3	27.4	27.8	28.2	28.2	28.4	28.8	28.8	28.8	29.4	29.4	29.6	29.6	29.8	29.8
21.4	26.3	27.4	27.8	28.2	28.2	28.4	28.8	28.8	28.8	29.4	29.4	29.6	29.6	29.8	29.8
21.6	26.5	27.6	28.0	28.4	28.4	28.6	29.0	29.0	29.2	29.6	29.6	29.8	29.8	30.0	30.0
21.8	26.7	27.8	28.2	28.6	28.6	28.8	29.2	29.2	29.2	29.8	29.8	30.0	30.0	30.2	30.2
21.8	26.7	27.8	28.2	28.6	28.6	28.8	29.2	29.2	29.2	29.8	29.8	30.0	30.0	30.2	30.2
21.8	26.7	27.8	28.2	28.6	28.6	28.8	29.2	29.2	29.2	29.8	29.8	30.0	30.0	30.2	30.2
22.2	27.4	28.4	28.6	29.2	29.2	29.4	29.8	29.8	29.8	30.5	30.5	30.7	30.7	30.9	30.9
22.6	28.2	29.2	29.6	30.0	30.0	30.2	30.7	30.7	30.7	31.5	31.5	31.7	31.7	31.9	31.9
23.5	30.0	31.1	31.5	31.9	31.9	32.1	32.5	32.9	32.9	33.7	33.7	34.4	34.4	34.6	34.6
24.1	31.1	32.1	32.5	33.1	33.1	33.3	33.7	34.2	34.2	35.0	35.0	35.6	35.6	35.8	35.8
24.5	32.1	33.1	33.5	34.2	34.2	34.6	35.0	35.4	35.4	36.2	36.2	36.8	36.8	37.0	37.0
24.5	32.3	33.3	33.7	34.6	34.6	35.0	35.6	36.0	36.0	36.8	36.8	37.4	37.4	37.7	37.7
25.1	33.5	34.6	35.2	36.0	36.0	36.4	37.0	37.4	37.4	38.3	38.3	38.9	38.9	39.1	39.1
26.7	35.8	36.8	38.1	38.9	38.9	39.3	39.9	40.3	40.3	41.2	41.2	41.8	41.8	42.0	42.0
27.6	36.8	37.9	39.3	40.1	40.1	40.5	41.2	41.6	41.6	42.4	42.4	43.0	43.0	43.2	43.2
27.8	37.4	38.7	40.7	41.8	42.4	43.4	44.0	44.4	44.4	45.9	45.9	46.5	46.5	46.7	46.7
29.4	40.9	42.2	44.7	46.3	47.1	48.6	49.4	49.8	50.2	51.2	51.2	52.1	52.1	52.3	52.3
30.2	42.2	43.4	45.9	48.6	49.6	51.0	52.3	52.7	53.3	54.3	54.3	55.1	55.1	55.3	55.3
31.3	43.8	45.1	47.5	50.4	51.4	53.1	55.1	55.6	56.4	58.0	58.0	58.8	58.8	59.1	59.1
32.5	47.7	50.4	53.1	56.2	57.2	59.7	62.1	62.6	63.4	65.0	65.0	65.8	65.8	66.0	66.0
32.5	49.0	52.1	54.9	58.2	59.5	62.8	65.8	66.7	67.7	70.0	70.0	70.8	70.8	71.2	71.8
32.5	49.0	52.1	54.9	58.2	59.9	63.4	66.5	67.5	68.7	71.6	71.6	72.6	72.6	73.0	73.7
32.7	49.8	52.9	55.8	59.3	61.7	65.6	68.9	70.2	72.0	75.3	75.3	76.5	76.5	77.4	78.0
33.3	50.4	53.5	56.4	60.1	62.8	66.9	70.4	71.8	73.7	77.4	77.4	78.8	78.8	80.0	80.7
33.3	50.4	53.5	56.4	60.1	62.8	67.3	70.8	72.2	74.3	78.2	78.2	79.6	79.6	81.3	81.9
33.5	51.0	54.3	57.2	60.9	63.8	68.3	72.4	73.9	75.9	80.7	80.7	83.5	83.5	85.2	85.8
33.5	51.0	54.3	57.6	61.9	64.8	69.3	73.5	75.1	77.6	82.5	82.5	85.4	85.4	87.0	87.9
33.5	51.2	54.5	57.8	62.1	65.0	69.8	74.1	75.7	78.2	85.0	85.0	88.7	88.9	90.7	92.0
33.5	51.2	54.5	57.8	62.1	65.0	69.8	74.1	75.7	78.2	85.4	85.4	89.5	89.7	92.6	95.7
33.5	51.2	54.5	57.8	62.1	65.0	69.8	74.1	75.7	78.2	85.4	85.4	89.5	89.7	92.8	97.9
33.5	51.2	54.5	57.8	62.1	65.0	69.8	74.1	75.7	78.2	85.4	85.4	89.5	89.7	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS 486

2

GLOBAL CLIMATOLOGY BRANCH
USAFELTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1175 TTN CITY AFS AK

73-81

90V

2100-2300

23.2	30.7	32.0	32.5	34.5	34.8	35.5	36.8	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.6
23.2	30.7	32.0	32.5	34.5	34.8	35.5	36.8	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.6
23.2	30.7	32.0	32.5	34.5	34.8	35.5	36.8	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.6
23.2	30.7	32.0	32.5	34.5	34.8	35.5	36.8	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.6
23.2	30.7	32.0	32.5	34.5	34.8	35.5	36.8	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.6
23.4	31.0	32.4	32.8	34.8	35.1	35.8	37.1	37.4	37.7	38.2	38.2	38.7	38.7	38.9	38.9
23.4	31.0	32.4	32.8	34.8	35.1	35.8	37.1	37.4	37.7	38.2	38.2	38.7	38.7	38.9	38.9
23.4	31.0	32.4	32.8	34.8	35.1	35.8	37.3	37.6	37.9	38.4	38.4	38.9	38.9	39.1	39.1
24.0	32.0	33.3	34.0	35.9	36.3	37.3	38.6	38.9	39.2	39.7	39.7	40.2	40.2	40.4	40.4
24.2	32.5	33.8	34.5	36.4	36.8	37.7	39.1	39.4	39.7	40.2	40.2	40.7	40.7	40.8	40.8
24.7	33.0	34.3	35.0	36.9	37.3	38.2	39.5	40.0	40.4	40.8	40.8	41.3	41.3	41.5	41.5
24.8	33.7	35.1	35.6	37.9	38.2	39.4	40.7	41.2	41.5	42.0	42.0	43.0	43.0	43.1	43.1
25.0	34.5	35.9	36.6	38.7	39.1	40.2	41.5	42.2	42.5	43.0	43.0	44.0	44.0	44.1	44.1
25.8	35.8	37.4	38.1	40.2	40.5	42.0	43.3	44.0	44.3	44.8	44.8	45.8	45.8	45.9	45.9
26.5	37.1	38.7	39.4	41.7	42.0	43.5	44.8	45.6	45.9	46.4	46.4	47.4	47.4	47.5	47.5
26.8	38.1	39.9	40.5	42.8	43.1	44.6	45.9	46.7	47.1	47.5	47.5	48.5	48.5	48.7	48.7
27.3	39.2	41.5	42.6	45.1	45.4	46.9	48.2	49.0	49.3	50.0	50.0	51.6	51.6	51.8	51.8
29.1	43.3	46.1	47.4	50.5	50.8	52.6	54.6	55.4	55.7	56.4	56.4	58.0	58.0	58.2	58.2
29.6	44.3	47.4	48.9	52.3	52.8	54.9	57.2	58.0	58.3	59.0	59.0	60.8	60.8	60.9	60.9
30.1	45.9	49.3	51.0	55.2	55.7	58.0	60.3	61.1	61.4	62.1	62.1	63.9	63.9	64.1	64.1
31.2	49.2	53.4	55.4	60.1	61.4	63.9	66.8	67.5	68.0	68.6	68.6	70.9	70.9	71.1	71.4
31.4	50.5	55.1	57.5	62.3	63.6	66.3	69.8	70.6	70.9	71.7	71.7	74.0	74.0	74.2	74.5
32.0	51.3	56.0	58.8	63.6	65.0	68.1	71.7	72.7	73.2	74.5	74.5	76.8	76.8	77.5	77.8
32.2	52.1	57.4	60.1	65.0	66.5	69.9	73.7	75.2	76.5	78.1	78.3	81.5	81.5	82.2	82.5
32.2	52.1	57.5	60.5	65.4	66.8	70.8	74.5	76.5	77.9	79.6	79.7	83.3	83.3	84.2	84.5
32.2	52.3	57.8	60.6	66.2	67.6	71.7	75.5	77.5	78.9	80.9	81.0	84.6	85.0	86.1	86.4
32.2	52.3	58.3	61.4	67.0	68.5	72.5	76.8	78.8	80.2	82.5	82.7	86.9	87.3	88.6	89.2
32.2	52.3	58.3	61.6	67.3	68.8	72.9	77.1	79.1	81.0	83.3	83.5	87.9	88.2	89.9	90.7
32.2	52.3	58.3	61.6	67.3	68.8	72.9	77.1	79.1	81.0	84.3	84.5	89.4	89.7	91.5	93.1
32.2	52.3	58.3	61.6	67.3	68.8	72.9	77.3	79.2	81.2	84.8	85.0	90.7	91.0	93.0	95.6
32.2	52.3	58.3	61.6	67.3	68.8	72.9	77.3	79.2	81.2	84.8	85.0	90.8	91.2	93.5	98.7
32.2	52.3	58.3	61.6	67.3	68.8	72.9	77.3	79.2	81.2	84.8	85.0	90.8	91.2	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 612

2
GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 11/70 TUN CITY AFS AK

73-81

NOV

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM ALL YEARS OF RECORD

21.3	26.0	27.0	27.3	28.5	28.8	29.6	30.6	30.7	31.1	31.5	31.5	31.7	31.8	31.9	31.9
21.8	26.6	27.7	28.1	29.3	29.6	30.5	31.4	31.5	32.0	32.4	32.5	32.7	32.7	32.8	32.9
22.3	27.3	28.4	28.8	30.0	30.3	31.3	32.2	32.3	32.8	33.2	33.2	33.4	33.5	33.6	33.6
22.4	27.4	28.5	28.9	30.1	30.4	31.4	32.3	32.4	32.9	33.3	33.3	33.5	33.6	33.7	33.7
22.7	27.6	28.8	29.1	30.3	30.6	31.6	32.5	32.7	33.2	33.6	33.6	33.8	33.9	34.7	34.8
23.2	28.2	29.3	29.7	30.9	31.2	32.2	33.1	33.2	33.6	34.1	34.2	34.4	34.5	34.6	34.6
23.3	28.3	29.5	29.8	31.0	31.3	32.4	33.3	33.4	33.9	34.3	34.3	34.6	34.6	34.7	34.7
23.7	28.7	29.9	30.2	31.4	31.7	32.8	33.7	33.8	34.3	34.7	34.7	35.0	35.0	35.1	35.2
25.0	30.5	31.7	32.0	33.3	33.6	34.6	35.6	35.7	36.2	36.7	36.7	37.0	37.0	37.1	37.1
26.0	31.9	33.2	33.6	34.9	35.2	36.3	37.2	37.4	37.9	38.4	38.5	38.7	38.8	38.9	38.9
26.7	32.8	34.1	34.5	35.9	36.2	37.3	38.4	38.6	39.2	39.7	39.7	40.0	40.1	40.2	40.2
27.6	34.0	35.4	35.8	37.2	37.6	38.8	39.9	40.1	40.8	41.3	41.4	41.7	41.8	41.9	41.9
27.8	34.3	35.7	36.1	37.5	37.9	39.1	40.3	40.5	41.1	41.6	41.7	42.0	42.1	42.2	42.2
28.7	35.4	37.0	37.4	39.2	39.6	40.9	42.1	42.3	43.0	43.6	43.7	44.1	44.1	44.3	44.4
29.6	37.0	38.7	39.2	41.1	41.5	43.1	44.4	44.7	45.4	46.1	46.1	46.5	46.6	46.8	47.0
30.4	38.4	40.5	41.1	43.2	43.7	45.4	46.8	47.1	47.9	48.6	48.6	49.1	49.2	49.4	49.5
31.6	40.3	42.6	43.5	46.0	46.5	48.7	50.2	50.4	51.4	52.1	52.2	52.7	52.8	53.1	53.2
33.3	43.7	46.4	47.4	50.4	51.1	53.8	55.5	55.8	56.8	57.7	57.8	58.5	58.6	58.9	59.1
33.8	44.6	47.3	48.4	51.6	52.3	55.1	57.0	57.3	58.4	59.3	59.4	60.1	60.2	60.5	60.7
34.2	45.7	48.7	49.9	54.0	54.7	58.0	60.4	60.8	62.1	63.3	63.4	64.2	64.3	64.6	64.9
35.2	48.2	51.7	53.1	57.6	58.5	62.3	65.1	65.6	67.0	68.3	68.4	69.3	69.4	69.8	70.1
35.6	49.1	52.8	54.4	59.3	60.4	64.4	67.8	68.4	70.0	71.5	71.6	72.5	72.6	73.1	73.5
36.1	50.1	53.9	55.6	60.6	61.8	66.1	69.7	70.4	72.2	73.8	73.9	75.1	75.2	75.9	76.3
36.6	51.1	55.0	56.7	62.0	63.3	68.1	71.9	72.8	74.9	76.9	77.0	78.7	78.9	79.6	80.2
37.0	51.7	55.7	57.6	63.0	64.5	69.7	73.7	74.7	77.0	79.0	79.2	81.2	81.4	82.3	82.9
37.1	51.8	55.9	57.8	63.5	65.0	70.4	74.7	75.8	78.3	80.6	80.8	83.0	83.2	84.5	85.2
37.1	52.2	56.4	58.5	64.4	66.0	71.6	76.2	77.4	80.1	82.8	83.0	85.8	86.1	87.7	88.8
37.3	52.4	56.6	58.7	64.8	66.5	72.2	76.9	78.2	81.1	84.1	84.3	87.5	87.9	89.7	91.2
37.3	52.4	56.7	58.8	64.9	66.5	72.3	77.2	78.5	81.7	85.4	85.6	89.4	89.8	92.1	94.0
37.3	52.4	56.7	58.9	65.0	66.6	72.4	77.4	78.7	81.9	85.8	86.0	90.2	90.6	93.8	96.6
37.3	52.4	56.7	58.9	65.0	66.6	72.4	77.4	78.7	81.9	85.8	86.0	90.3	90.7	94.1	98.7
37.3	52.4	56.7	58.9	65.0	66.6	72.4	77.4	78.7	81.9	85.8	86.0	90.3	90.7	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 5724

GLOBAL CLIMATOLOGY BRANCH
USAF/FLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

711170 TTN CITY AFS AK

73-81

DEC

PERCENTAGE OF OBSERVATIONS
IN EACH CATEGORY

0000-0200

25.3	37.2	39.2	41.0	46.1	46.6	50.0	56.1	56.9	58.1	59.4	59.4	60.6	60.7	61.2	62.6
25.3	37.2	39.2	41.0	46.1	46.6	50.0	56.4	57.2	58.5	59.7	59.7	61.0	61.1	61.6	63.0
25.7	37.8	39.8	41.6	46.8	47.3	50.6	57.4	58.2	59.5	60.7	60.7	62.0	62.1	62.6	64.0
25.8	37.9	39.9	41.9	47.0	47.5	50.9	57.6	58.5	59.7	61.0	61.0	62.2	62.3	62.8	64.2
25.9	38.0	40.0	42.0	47.1	47.6	51.0	57.7	58.6	59.9	61.1	61.1	62.3	62.5	63.0	64.3
26.1	38.3	40.3	42.3	47.4	47.9	51.2	58.1	59.0	60.2	61.5	61.5	62.7	62.8	63.3	64.7
26.2	38.5	40.5	42.5	47.6	48.1	51.5	58.4	59.2	60.5	61.7	61.7	63.0	63.1	63.6	65.0
26.2	38.5	40.5	42.5	47.6	48.1	51.5	58.4	59.2	60.8	62.1	62.1	63.3	63.5	64.0	65.3
26.3	39.3	41.3	43.3	48.4	48.9	52.2	59.4	60.3	62.0	63.2	63.2	64.5	64.6	65.1	66.5
27.6	40.8	43.0	45.0	50.2	50.7	54.2	61.5	62.7	64.3	65.6	65.6	66.8	67.0	67.5	68.8
27.9	41.5	43.8	45.8	51.0	51.5	55.0	62.2	63.5	65.1	66.3	66.3	67.6	67.7	68.2	69.6
28.2	41.9	44.1	46.1	51.4	51.9	55.4	62.6	63.8	65.6	66.8	66.8	68.1	68.2	68.7	70.1
28.2	42.0	44.3	46.3	51.5	52.0	55.5	62.8	64.1	65.8	67.2	67.2	68.6	68.7	69.2	70.6
28.4	43.1	45.4	47.5	53.0	53.5	57.0	64.3	65.6	67.5	69.0	69.0	70.6	70.7	71.2	72.6
28.7	44.3	46.8	48.9	54.4	54.9	58.4	66.1	67.3	69.5	70.9	70.9	72.7	72.8	73.3	74.7
29.2	45.0	47.5	49.8	55.6	56.2	59.7	67.5	68.8	70.9	72.4	72.4	74.2	74.3	74.8	76.2
29.2	46.6	49.5	52.0	57.9	58.9	62.5	70.3	72.1	74.2	75.7	75.7	77.4	77.6	78.1	79.4
29.2	47.0	49.9	52.4	58.7	59.7	63.8	72.3	74.1	76.3	77.8	77.8	79.6	79.7	80.3	81.7
29.2	47.3	50.1	52.9	59.2	60.3	64.5	72.9	74.8	77.1	78.6	78.6	80.3	80.4	81.0	82.4
29.8	49.0	52.1	55.1	61.7	63.1	67.2	76.2	78.3	80.9	82.4	82.4	84.2	84.3	84.9	86.3
30.4	50.1	53.4	56.6	63.2	64.6	68.8	77.9	80.3	82.9	84.4	84.5	86.3	86.4	87.7	88.4
30.4	51.1	54.4	57.6	64.2	65.6	69.8	79.1	81.4	84.0	85.8	86.0	88.4	88.5	89.8	91.1
30.4	51.5	54.7	58.0	64.6	66.0	70.2	79.6	81.9	84.7	86.4	86.7	89.3	89.4	90.6	92.0
30.4	51.9	55.1	58.4	65.0	66.3	70.6	80.5	83.2	86.4	88.2	88.4	91.1	91.3	92.5	93.9
30.4	52.1	55.4	58.6	65.2	66.7	71.1	81.0	83.7	87.3	89.2	89.4	92.1	92.3	93.6	95.0
30.4	52.1	55.4	58.6	65.2	66.7	71.1	81.0	83.7	87.4	89.4	89.7	92.6	92.8	94.1	95.8
30.8	52.5	55.7	59.0	65.6	67.1	71.4	81.4	84.0	87.8	89.9	90.1	93.3	93.4	94.9	96.5
30.8	52.5	55.7	59.0	65.6	67.1	71.6	81.8	84.4	88.2	90.3	90.5	93.9	94.0	95.8	97.8
30.8	52.5	55.7	59.0	65.6	67.1	71.6	81.8	84.4	88.2	90.6	90.9	94.3	94.4	96.1	98.1
30.8	52.5	55.7	59.0	65.6	67.1	71.6	81.8	84.4	88.2	90.6	90.9	94.6	94.8	96.9	99.0
30.8	52.5	55.7	59.0	65.6	67.1	71.6	81.8	84.4	88.2	90.6	90.9	94.6	94.8	97.0	99.6
30.3	52.5	55.7	59.0	65.6	67.1	71.6	81.8	84.4	88.2	90.6	90.9	94.6	94.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71171 YIN CITY AFS AK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

25.1	36.3	37.5	39.7	45.7	45.7	50.1	55.3	56.7	57.5	58.5	58.6	60.1	60.3	61.5	62.6
25.1	36.3	37.5	39.7	45.7	45.7	50.1	56.3	56.8	58.2	59.2	59.4	60.8	61.1	62.2	63.3
25.3	36.7	37.9	40.0	46.1	46.1	50.4	56.8	57.5	59.0	60.0	60.1	61.6	61.8	62.9	64.1
25.3	36.7	37.9	40.0	46.1	46.1	50.4	56.3	57.5	59.0	60.0	60.1	61.6	61.8	62.9	64.1
25.3	36.8	38.0	40.1	46.2	46.2	50.6	56.9	57.6	59.1	60.1	60.2	61.7	62.0	63.1	64.2
25.5	37.1	38.3	40.4	46.5	46.5	50.8	57.1	57.9	59.4	60.3	60.5	62.0	62.2	63.3	64.4
25.8	37.8	39.3	41.4	47.6	47.6	51.9	58.2	59.0	60.5	61.5	61.6	63.1	63.3	64.4	65.6
26.1	38.2	39.7	41.8	48.0	48.0	52.3	58.6	59.4	61.0	62.1	62.2	63.8	64.1	65.2	66.3
26.6	39.0	40.5	42.6	48.8	48.8	53.2	59.5	60.2	61.8	62.9	63.1	64.7	64.9	66.0	67.2
26.7	39.8	41.3	43.5	49.8	49.8	54.2	60.7	61.7	63.4	64.8	64.9	66.5	66.8	67.9	69.0
27.1	40.0	41.5	43.7	50.1	50.1	54.4	61.1	62.1	63.8	65.2	65.3	66.9	67.2	68.3	69.4
27.1	40.0	41.5	43.7	50.1	50.1	54.4	61.1	62.1	63.8	65.2	65.3	66.9	67.2	68.3	69.4
27.1	40.3	41.8	44.0	50.3	50.3	54.6	61.3	62.3	64.1	65.7	65.8	67.4	67.7	68.9	70.0
27.4	42.0	43.7	46.1	52.7	52.7	57.0	63.7	64.7	66.5	68.2	68.3	69.9	70.1	71.7	72.9
27.6	43.4	45.1	47.7	54.4	54.4	58.7	65.3	66.8	69.3	70.9	71.0	72.6	72.9	74.7	75.8
27.9	43.7	45.7	48.3	55.0	55.1	59.7	66.9	68.0	70.5	72.1	72.2	73.9	74.1	76.1	77.2
27.9	44.4	46.5	49.3	56.0	56.1	60.7	68.2	69.4	71.9	73.6	73.7	75.8	76.1	78.2	79.3
27.9	44.9	47.3	50.4	57.7	58.0	63.4	71.9	73.1	75.8	77.6	77.7	79.8	80.0	82.2	83.3
27.9	46.0	48.5	51.5	58.9	59.1	64.7	73.1	74.3	77.1	78.8	78.9	81.0	81.3	83.4	84.5
28.4	47.3	50.1	53.4	61.0	61.2	66.8	75.3	77.1	80.4	82.2	82.3	84.4	84.6	86.7	87.9
29.1	48.3	51.2	54.8	62.9	63.2	68.9	77.4	79.2	82.5	84.3	84.4	86.5	86.7	88.8	90.0
29.1	48.6	51.5	55.4	64.1	64.3	70.0	78.6	80.3	83.6	85.5	85.6	88.2	88.5	91.0	92.3
29.1	48.7	51.7	55.5	64.3	64.6	70.3	78.8	80.5	84.0	86.0	86.1	88.8	89.1	91.7	93.1
29.1	49.4	52.7	56.5	65.3	65.6	71.4	79.9	81.8	85.3	87.2	87.4	90.1	90.3	92.9	94.3
29.1	49.7	53.0	56.9	65.7	65.9	71.9	80.7	82.9	86.6	88.8	89.0	91.7	91.9	94.5	95.9
29.1	49.7	53.0	56.9	65.7	65.9	71.9	80.7	82.9	86.6	88.8	89.0	91.8	92.1	94.7	96.0
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	86.9	89.1	89.2	92.4	92.7	95.3	96.7
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	86.9	89.2	89.3	92.6	92.8	95.4	97.1
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	87.1	89.7	89.8	93.1	93.3	95.9	97.9
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	87.1	89.7	89.8	93.3	93.6	96.2	98.5
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	87.1	89.8	90.0	93.4	93.7	96.4	99.6
29.1	49.8	53.2	57.0	65.8	66.0	72.0	80.9	83.1	87.1	89.8	90.0	93.4	93.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TIN CITY AFS AK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2000

24.4	35.6	37.4	39.1	44.4	44.9	49.1	53.6	54.6	56.6	58.3	58.3	59.0	59.2	60.3	61.6
24.4	35.6	37.4	39.1	44.4	44.9	49.1	54.0	55.0	56.9	58.7	58.7	59.4	59.5	60.6	62.0
24.5	36.0	37.7	39.5	44.8	45.3	49.5	54.3	55.3	57.3	59.0	59.0	59.8	59.9	61.0	62.4
24.5	36.0	37.7	39.5	44.8	45.3	49.5	54.3	55.3	57.3	59.0	59.0	59.8	59.9	61.0	62.4
24.5	36.0	37.7	39.5	44.9	45.4	49.6	54.5	55.4	57.4	59.2	59.2	59.9	60.0	61.1	62.5
24.6	36.1	37.9	39.6	45.0	45.5	49.9	54.6	55.6	57.5	59.3	59.3	60.0	60.1	61.3	62.6
24.9	36.8	38.5	40.2	46.0	46.5	50.7	55.6	56.6	58.5	60.3	60.3	61.0	61.1	62.3	63.6
25.0	37.0	38.7	40.5	46.3	46.8	51.0	55.8	56.8	58.8	60.8	60.8	61.5	61.6	62.7	64.1
26.0	38.2	40.1	42.0	47.8	48.3	52.5	57.3	58.3	60.4	62.4	62.4	63.1	63.2	64.4	65.7
26.6	39.5	41.3	43.3	49.1	49.6	53.8	58.7	59.7	61.8	63.9	63.9	64.6	64.7	65.8	67.2
26.6	39.5	41.3	43.4	49.4	49.9	54.1	59.2	60.1	62.3	64.4	64.4	65.1	65.2	66.3	67.7
26.7	39.6	41.5	43.6	49.5	50.0	54.3	59.4	60.4	62.5	64.6	64.6	65.3	65.5	66.6	67.9
27.0	40.0	41.8	43.9	49.9	50.4	54.7	59.8	60.8	62.9	65.2	65.2	66.1	66.2	67.3	68.7
27.6	42.0	43.8	45.9	52.0	52.5	57.4	62.7	63.7	65.8	68.2	68.2	69.4	69.6	70.8	72.3
28.1	43.3	45.3	48.0	54.1	54.7	59.8	65.2	66.2	68.3	70.7	70.7	72.0	72.2	73.8	75.2
28.3	44.7	46.9	49.9	55.9	56.6	61.6	67.5	68.4	70.5	72.9	72.9	74.4	74.5	76.4	77.8
28.3	45.3	47.8	51.1	57.3	57.9	63.1	69.1	70.0	72.2	74.8	74.8	76.5	76.6	78.6	80.1
28.5	45.9	48.4	52.1	58.4	59.2	64.7	72.0	73.0	75.4	78.0	78.0	79.8	80.0	81.9	83.4
28.7	46.4	48.9	52.6	58.9	59.7	65.3	72.8	73.8	76.1	78.7	78.7	80.6	80.7	82.7	84.2
29.3	47.6	50.2	54.1	60.5	61.3	67.1	74.9	76.1	78.5	81.1	81.1	82.9	83.0	85.1	86.8
30.2	49.0	51.6	55.6	62.0	62.7	68.9	76.9	78.2	80.7	83.4	83.4	85.5	85.6	87.7	89.4
30.2	49.3	52.2	56.2	62.9	63.6	70.0	78.0	79.3	82.1	85.0	85.0	87.1	87.3	89.5	91.2
30.2	49.6	52.6	56.7	63.5	64.2	70.7	78.6	80.0	82.7	85.8	85.8	88.0	88.1	90.3	92.1
30.3	49.9	52.8	56.9	63.9	64.7	71.2	79.3	80.8	83.8	86.9	86.9	89.4	89.5	91.7	93.4
30.4	50.0	53.0	57.1	64.0	64.9	71.3	79.5	80.9	83.9	87.0	87.0	89.5	89.6	91.8	93.6
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.1	81.7	84.7	88.0	88.0	90.6	90.7	92.9	94.7
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.2	85.4	88.7	88.7	91.3	91.5	93.7	95.4
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.3	85.5	88.9	88.9	91.7	91.8	94.1	96.2
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.4	86.0	90.0	90.0	92.9	93.1	95.5	97.8
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.4	86.1	90.1	90.1	93.3	93.4	96.0	98.5
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.4	86.1	90.1	90.1	93.3	93.4	96.3	99.5
30.4	50.4	53.3	57.4	64.4	65.3	71.8	80.4	82.4	86.1	90.1	90.1	93.3	93.4	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 878

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701170 TIA CITY AFS AK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM MONTHLY OBSERVATIONS

0900-1100

28.9	33.7	35.3	35.9	38.3	38.7	41.3	44.6	45.1	47.0	48.6	48.6	49.3	49.4	50.1	51.3
29.1	33.8	35.4	36.0	38.7	39.3	41.9	45.6	46.1	48.0	49.6	49.6	50.3	50.4	51.0	52.3
29.3	34.3	36.0	36.6	39.3	40.0	42.5	46.2	46.7	48.6	50.2	50.2	50.9	51.0	51.7	52.9
29.3	34.3	36.7	36.6	39.3	40.0	42.5	46.2	46.7	48.6	50.2	50.2	50.9	51.0	51.7	52.9
29.3	34.3	36.0	36.6	39.3	40.0	42.5	46.2	46.7	48.6	50.2	50.2	50.9	51.0	51.7	52.9
30.1	35.0	36.7	37.4	40.2	40.8	43.6	47.5	48.0	49.8	51.4	51.4	52.2	52.3	52.9	54.1
30.1	35.1	36.9	37.5	40.3	40.9	44.0	47.8	48.3	50.2	51.9	51.9	52.7	52.8	53.4	54.6
30.1	35.1	36.9	37.6	40.6	41.4	44.6	48.5	49.2	51.0	52.9	52.9	53.6	53.8	54.4	55.6
31.4	36.7	38.6	39.3	42.7	43.5	46.7	50.6	51.3	53.1	55.4	55.4	56.1	56.2	56.8	58.1
33.2	38.5	40.3	41.6	45.3	46.1	49.9	53.9	54.7	56.7	59.1	59.1	59.8	59.9	60.5	61.8
33.3	38.6	40.4	41.7	45.5	46.4	50.2	54.1	55.0	57.2	59.6	59.6	60.3	60.4	61.0	62.3
33.3	38.6	40.6	41.8	45.7	46.6	50.4	54.4	55.2	57.5	59.9	59.9	60.8	60.9	61.5	62.8
34.0	39.6	41.6	42.8	46.7	47.6	51.5	55.7	56.6	58.8	61.3	61.3	62.3	62.4	63.0	64.2
35.8	41.8	43.9	45.1	49.1	49.9	54.5	58.8	59.9	62.3	65.2	65.2	66.6	66.7	67.7	68.9
37.1	44.0	46.2	47.7	51.7	52.5	57.2	61.8	62.9	65.5	68.6	68.6	69.9	70.0	71.7	72.5
38.3	45.5	48.1	49.8	54.1	55.0	59.9	64.9	66.1	69.2	72.6	72.6	74.2	74.4	75.3	76.8
39.1	46.7	49.3	51.0	55.5	56.4	61.3	66.2	67.4	70.5	74.0	74.0	75.6	75.7	76.9	78.4
39.7	47.5	50.1	52.2	56.8	58.1	63.5	68.7	69.9	73.2	77.1	77.2	79.2	79.3	80.6	82.1
39.8	47.6	50.2	52.3	57.0	58.2	64.1	69.3	70.5	73.9	77.7	77.8	79.9	80.0	81.5	83.0
40.0	48.0	50.6	52.9	57.6	58.8	65.4	71.4	72.6	76.3	80.1	80.3	82.6	82.7	84.2	86.1
40.3	48.7	51.3	53.8	58.6	59.8	66.3	72.4	73.6	77.4	81.4	81.5	84.0	84.1	85.6	87.4
40.4	49.2	51.9	54.4	59.2	60.4	67.2	73.7	75.0	78.8	82.7	82.9	85.6	85.7	87.2	89.4
40.4	49.2	51.9	54.4	59.2	60.4	67.4	74.1	75.3	79.2	83.1	83.2	85.9	86.1	87.5	89.8
40.7	49.4	52.5	55.0	59.9	61.3	68.4	75.3	76.6	80.6	84.6	84.7	87.7	87.8	89.4	91.7
40.9	49.8	52.9	55.4	60.3	61.7	68.8	75.7	76.9	81.3	85.5	85.6	88.7	88.8	90.4	92.7
41.1	49.9	53.1	55.6	60.5	61.9	69.3	76.2	77.4	82.1	86.4	86.6	90.3	90.4	92.7	94.3
41.1	49.9	53.1	55.6	60.5	62.1	69.5	76.6	78.1	83.0	87.3	87.4	91.1	91.2	92.8	95.4
41.1	49.9	53.1	55.6	60.5	62.3	69.7	76.7	78.4	83.6	87.9	88.0	91.7	91.9	94.0	97.0
41.1	49.9	53.1	55.6	60.5	62.3	69.7	76.7	78.4	84.0	88.3	88.4	92.2	92.4	94.6	98.2
41.1	49.9	53.1	55.6	60.5	62.3	69.7	76.7	78.4	84.0	88.3	88.4	92.2	92.4	94.7	98.5
41.1	49.9	53.1	55.6	60.5	62.3	69.7	76.7	78.4	84.0	88.3	88.4	92.2	92.4	94.8	99.5
41.1	49.9	53.1	55.6	60.5	62.3	69.7	76.7	78.4	84.0	88.3	88.4	92.2	92.4	94.8	100.0

NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

DEC

PERCENTAGE OF OBSERVATIONS
FROM WHICH DATA WERE DERIVED

1200-1400

26.5	30.6	31.6	33.0	35.5	36.0	38.2	40.3	41.8	43.4	44.9	44.9	46.0	46.2	47.1	47.8
27.3	31.7	32.6	34.0	36.5	37.0	39.2	41.6	43.1	44.7	46.2	46.2	47.3	47.5	48.4	49.1
27.3	31.8	32.7	34.2	36.8	37.3	39.5	41.9	43.5	45.1	46.6	46.6	47.7	47.9	48.8	49.9
27.5	32.1	33.0	34.4	37.1	37.7	39.9	42.3	43.9	45.5	47.0	47.0	48.1	48.3	49.2	50.3
27.9	32.5	33.4	34.8	37.5	38.1	40.4	42.9	44.5	46.1	47.7	47.7	48.7	49.0	49.9	50.9
28.6	33.1	34.2	35.7	38.8	39.4	41.7	44.3	46.0	47.5	49.1	49.1	50.1	50.4	51.4	52.5
29.0	33.5	34.5	36.1	39.2	39.7	42.1	44.7	46.5	48.1	49.6	49.6	50.6	50.9	51.9	53.0
29.6	34.2	35.2	36.9	40.3	40.8	43.1	45.7	47.5	49.1	50.6	50.6	51.7	51.9	53.0	54.0
30.5	35.1	36.2	38.1	41.4	41.9	44.3	46.9	48.7	50.3	51.8	51.8	52.9	53.1	54.2	55.2
32.9	37.4	38.6	40.6	44.3	44.9	47.5	50.3	52.1	53.6	55.5	55.5	56.8	57.0	58.1	59.4
33.2	37.9	39.1	41.2	44.8	45.5	48.1	50.8	52.6	54.2	56.0	56.0	57.5	57.8	58.8	60.1
33.6	38.3	39.5	41.6	45.5	46.1	48.7	51.4	53.2	54.9	56.8	56.8	58.3	58.6	59.7	61.0
34.2	39.0	40.1	42.2	46.2	46.9	49.5	52.5	54.3	56.0	57.9	57.9	59.5	59.7	61.2	62.5
35.8	40.6	41.9	44.2	48.6	49.4	52.3	55.5	57.4	59.6	61.7	61.7	63.5	63.8	65.5	66.8
37.4	42.7	44.0	46.5	50.9	51.8	54.9	58.2	60.1	62.6	64.7	64.7	66.5	67.0	68.8	70.8
38.3	44.4	46.0	48.4	53.0	54.0	57.8	61.2	63.1	66.1	68.7	68.7	70.5	71.0	72.9	74.9
39.1	45.3	47.1	49.5	54.0	55.1	58.8	62.3	64.3	67.7	70.4	70.4	72.6	73.1	75.2	77.4
39.5	46.1	47.8	50.4	55.2	56.2	60.4	64.4	66.4	70.0	73.2	73.4	75.8	76.4	79.4	81.6
40.0	46.6	48.3	50.9	55.7	56.8	61.0	65.1	67.0	70.6	73.9	74.0	76.5	77.0	80.1	82.3
40.3	46.6	48.4	51.2	56.0	57.1	61.7	66.4	68.3	72.2	75.7	75.8	78.6	79.1	82.2	84.4
40.6	47.4	49.4	52.3	57.4	58.6	63.5	68.2	70.1	74.2	77.7	77.8	80.6	81.2	84.5	86.8
41.2	48.1	50.0	53.0	58.2	59.4	64.3	69.5	71.6	75.6	79.2	79.4	82.2	82.7	86.4	89.0
41.2	48.1	50.0	53.0	58.2	59.4	64.3	69.5	71.6	75.6	79.2	79.4	82.2	82.7	86.4	89.0
41.3	48.4	50.5	53.5	58.8	60.0	65.1	70.3	72.6	76.9	80.6	80.8	83.8	84.3	88.1	90.6
41.7	49.0	51.3	54.3	59.7	60.9	66.1	71.3	73.6	78.2	82.1	82.2	85.3	85.8	89.6	92.3
41.8	49.2	51.6	54.5	60.0	61.2	66.4	71.8	74.4	79.1	83.1	83.4	86.8	87.3	91.4	94.4
41.9	49.4	51.7	54.8	60.3	61.4	66.8	72.3	74.9	79.6	83.8	84.0	87.5	88.2	92.5	95.5
41.9	49.5	51.8	54.9	60.4	61.6	66.9	72.5	75.1	79.7	84.2	84.4	87.9	88.6	93.4	96.4
41.9	49.6	51.9	55.1	60.5	61.7	67.0	72.6	75.2	79.9	84.5	84.8	88.6	89.2	94.0	97.1
41.9	49.6	51.9	55.1	60.5	61.7	67.0	72.6	75.2	80.0	84.7	84.9	88.7	89.5	94.3	98.2
41.9	49.6	51.9	55.1	60.5	61.7	67.0	72.6	75.2	80.0	84.7	84.9	88.7	89.5	94.3	99.5
41.9	49.6	51.9	55.1	60.5	61.7	67.0	72.6	75.2	80.0	84.7	84.9	88.7	89.5	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 770

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1177 TTN CITY AFS AK

73-81

DLC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM ALL OBSERVATIONS

1500-1700

26.3	30.3	31.4	32.0	34.7	35.3	36.8	38.8	39.8	41.2	42.9	42.9	44.2	44.2	44.5	45.8
27.1	31.2	32.3	33.0	35.7	36.5	37.9	39.9	40.9	42.3	44.1	44.1	45.3	45.3	45.6	46.9
27.6	31.7	32.8	33.4	36.1	36.9	38.4	40.7	41.7	43.1	44.8	44.8	46.1	46.1	46.4	48.2
27.6	31.7	32.8	33.4	36.1	36.9	38.4	40.7	41.7	43.1	44.8	44.8	46.1	46.1	46.4	48.2
28.1	32.2	33.4	34.1	36.8	37.6	39.0	41.4	42.3	43.7	45.5	45.5	46.8	46.8	47.1	48.6
28.5	32.6	34.1	34.9	37.6	38.4	39.8	42.2	43.1	44.5	46.6	46.6	48.0	48.0	48.3	50.1
28.7	32.8	34.2	35.0	37.7	38.5	39.9	42.5	43.4	44.8	46.9	47.1	48.3	48.3	48.7	50.4
28.8	33.3	34.7	35.5	38.2	39.0	40.4	43.3	44.2	45.6	47.7	47.9	49.1	49.1	49.4	51.2
29.2	34.1	35.5	36.3	39.0	39.8	41.2	44.1	45.0	46.4	48.5	48.7	49.9	49.9	50.2	52.3
32.0	36.9	38.4	39.1	41.8	42.6	44.1	46.9	48.0	49.9	52.0	52.1	53.4	53.4	53.7	56.1
33.0	37.9	39.3	40.1	42.8	43.6	45.0	47.9	49.0	50.9	52.9	53.1	54.4	54.4	54.7	57.1
33.6	38.5	39.9	40.7	43.6	44.4	46.0	49.3	50.4	52.3	54.4	54.5	55.8	55.8	56.6	59.0
33.6	38.8	40.3	41.0	43.9	44.7	46.3	49.6	50.7	52.6	54.7	55.0	56.3	56.3	57.1	59.4
34.9	40.3	41.8	42.6	45.8	46.8	48.7	52.3	53.7	56.1	58.2	58.5	60.1	60.1	60.9	63.2
36.0	42.6	44.2	45.0	48.2	49.3	51.2	54.8	56.3	58.8	60.9	61.2	62.9	62.9	63.7	66.7
36.1	43.6	45.2	46.0	49.1	50.4	52.3	56.1	57.5	60.4	63.4	63.7	65.8	65.8	66.6	69.7
36.1	44.1	45.6	46.6	50.1	51.3	53.6	57.7	59.1	62.0	65.0	65.3	67.7	67.7	68.5	71.6
36.6	45.3	46.9	47.9	51.8	53.1	55.8	60.7	62.3	65.3	68.3	68.6	71.2	71.3	72.6	75.9
36.9	45.8	47.4	48.5	52.5	53.7	56.6	61.5	63.1	66.1	69.1	69.4	71.9	72.1	73.4	76.7
37.1	46.6	48.2	49.4	53.4	55.2	58.2	63.4	65.0	68.1	72.3	72.6	75.1	75.3	76.7	80.0
38.0	48.0	49.6	51.0	55.3	57.2	60.7	66.1	67.7	70.8	75.3	75.6	78.6	78.8	80.3	83.7
39.0	49.3	50.9	52.3	56.6	58.6	62.3	68.3	70.0	73.4	78.0	78.3	81.3	81.5	83.2	86.7
39.0	49.4	51.0	52.5	56.7	58.8	62.4	68.5	70.2	73.5	78.3	78.6	81.6	81.8	83.5	87.0
40.1	51.3	52.9	54.4	58.8	61.0	64.8	72.1	73.9	77.2	82.3	82.6	85.9	86.1	88.0	91.4
40.1	51.7	53.2	54.7	59.1	61.3	65.1	72.6	74.3	77.8	82.9	83.2	86.5	86.7	88.9	92.7
40.1	51.7	53.2	54.7	59.1	61.3	65.1	72.6	74.3	78.0	83.4	83.7	87.0	87.2	89.7	94.0
40.1	51.7	53.2	54.7	59.1	61.3	65.1	72.6	74.3	78.1	83.5	83.8	87.2	87.3	89.9	94.6
40.1	51.8	53.4	54.8	59.3	61.5	65.3	72.7	74.6	78.6	84.0	84.3	87.6	87.8	90.5	95.9
40.1	51.8	53.4	54.8	59.3	61.5	65.3	72.7	74.6	78.8	84.8	85.1	88.6	88.7	91.6	97.0
40.1	51.8	53.4	54.8	59.3	61.5	65.3	72.7	74.6	78.9	84.9	85.4	89.5	89.7	93.0	98.7
40.1	51.8	53.4	54.8	59.3	61.5	65.3	72.7	74.6	78.9	84.9	85.4	89.5	89.7	93.2	98.9
40.1	51.8	53.4	54.8	59.3	61.5	65.3	72.7	74.6	78.9	84.9	85.4	89.5	89.7	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
AFSTAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 0170 TIA CITY AFS AK

73,77-81

DEC

PERCENTAGE OF OCCURRENCE
OF WEATHER OBSERVATIONS

1800-2000

23.6	33.9	36.1	37.7	40.3	41.9	43.1	45.1	45.7	47.7	49.3	49.3	50.7	51.1	52.5	52.5
23.6	33.9	36.1	37.7	40.3	41.9	43.1	45.1	45.7	47.7	49.3	49.3	50.7	51.1	52.5	52.5
23.6	33.9	36.1	37.7	40.3	41.9	43.1	45.5	46.1	48.1	49.7	49.7	51.1	51.5	52.9	52.9
23.6	33.9	36.1	37.7	40.3	41.9	43.1	45.5	46.1	48.1	49.7	49.7	51.1	51.5	52.9	52.9
24.0	34.5	36.7	38.3	40.9	42.5	43.7	46.1	46.7	48.7	50.5	50.5	51.9	52.3	53.7	53.7
24.0	34.5	36.7	38.3	41.3	42.9	44.1	46.5	47.1	49.1	51.5	51.5	52.9	53.3	54.7	54.7
24.2	34.7	36.9	38.5	41.5	43.1	44.3	46.7	47.3	49.3	51.7	51.7	53.1	53.5	54.9	54.9
24.6	35.1	37.3	38.9	41.9	43.5	44.7	47.1	47.7	49.7	52.1	52.1	53.5	53.9	55.3	55.3
24.8	36.1	38.3	39.9	42.9	44.5	45.7	48.1	48.7	50.7	53.1	53.1	54.5	54.9	56.3	56.3
26.9	38.1	40.3	41.9	44.9	46.5	47.7	50.1	50.7	52.7	55.1	55.1	56.5	56.9	58.3	58.3
27.9	39.5	41.7	43.3	46.3	47.9	49.1	51.5	52.1	54.1	56.5	56.5	57.9	58.3	59.7	59.7
27.9	39.7	41.9	43.5	46.5	48.1	49.5	51.9	52.5	54.5	57.1	57.1	58.5	58.9	60.3	60.3
27.9	39.7	41.9	43.5	46.5	48.1	49.5	51.9	52.5	54.7	57.5	57.5	58.9	59.3	61.1	61.3
28.1	39.9	42.1	43.7	46.9	48.5	49.9	52.3	53.3	55.7	58.7	58.7	60.5	60.9	62.7	62.9
28.5	42.1	44.7	46.5	49.7	51.7	53.3	55.7	56.7	59.3	62.3	62.3	64.1	64.5	66.3	66.5
28.9	43.5	46.3	48.1	51.3	53.3	54.9	57.3	58.3	60.9	63.9	63.9	65.7	66.1	67.9	68.1
28.9	44.3	47.1	49.3	52.5	54.7	56.3	58.7	59.9	62.5	65.5	65.5	67.3	67.7	69.5	69.7
29.3	45.7	48.9	51.7	54.9	57.1	58.7	62.1	63.7	66.3	69.5	69.5	71.3	71.7	73.5	73.7
29.5	46.5	50.3	53.1	56.3	58.5	60.1	64.1	65.7	68.3	71.5	71.5	73.3	73.7	75.6	75.8
29.5	46.9	50.9	53.9	57.3	59.7	61.3	65.3	67.1	69.7	72.9	72.9	74.7	75.2	77.0	77.2
29.7	49.9	53.9	56.9	60.9	63.3	65.7	69.9	71.9	74.7	78.2	78.2	81.0	81.4	83.2	83.4
30.3	51.7	55.9	58.9	63.1	65.5	68.3	72.9	74.9	77.8	81.4	81.4	84.4	84.8	86.6	86.8
30.5	51.9	56.1	59.3	63.5	65.9	68.7	73.7	75.8	78.6	82.4	82.4	85.6	86.0	87.8	88.0
31.3	53.1	57.3	60.5	64.9	67.3	70.1	76.0	78.0	80.8	84.6	84.6	88.2	88.6	90.4	90.6
31.5	53.5	57.7	60.9	65.5	67.9	70.7	77.0	79.0	82.2	86.2	86.4	90.2	90.6	92.6	93.2
31.5	53.7	58.1	61.3	65.9	68.3	71.1	77.6	79.6	82.8	86.8	87.0	90.8	91.2	93.6	94.2
31.5	53.7	58.1	61.3	65.9	68.3	71.1	77.8	79.8	83.2	87.2	87.4	91.2	91.6	94.2	94.8
31.5	53.7	58.1	61.3	65.9	68.3	71.1	77.8	79.8	83.2	87.2	87.4	91.8	92.2	95.0	95.6
31.5	53.7	58.1	61.5	66.1	68.5	71.3	78.0	80.2	84.0	88.0	88.2	92.8	93.2	96.0	96.8
31.5	53.7	58.1	61.5	66.1	68.5	71.3	78.0	80.2	84.2	88.8	89.0	94.0	94.4	97.2	98.2
31.5	53.7	58.1	61.5	66.1	68.5	71.3	78.0	80.2	84.2	88.8	89.0	94.2	94.6	97.4	98.6
31.5	53.7	58.1	61.5	66.1	68.5	71.3	78.0	80.2	84.2	88.8	89.0	94.2	94.6	97.4	98.6

TOTAL NUMBER OF OBSERVATIONS: 499

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-61

DEC

1000-2300
FROM 1000-2300

2100-2300

24.2	36.9	38.3	39.8	42.8	43.1	46.6	52.0	52.8	54.0	55.1	55.2	56.2	56.2	58.2	56.8
24.2	37.1	38.5	40.0	42.9	43.2	46.8	52.2	53.2	54.5	55.5	55.7	56.6	56.6	58.6	59.2
24.2	37.5	38.9	40.5	43.4	43.7	47.2	53.1	54.2	55.4	56.5	56.6	57.5	57.5	59.5	60.2
24.2	37.5	38.9	40.5	43.4	43.7	47.2	53.1	54.2	55.4	56.5	56.6	57.5	57.5	59.5	60.2
24.8	38.2	39.5	41.1	44.0	44.3	47.8	53.7	54.8	56.0	57.1	57.2	58.2	58.2	60.2	60.8
24.8	38.3	39.7	41.2	44.3	44.6	48.3	54.2	55.2	56.5	57.7	57.8	58.8	58.8	60.8	61.4
24.8	38.5	39.8	41.4	44.5	44.8	48.6	54.5	55.5	56.8	58.0	58.2	59.1	59.1	61.1	61.7
24.8	38.6	40.0	41.5	44.6	44.9	48.8	54.6	55.7	57.2	58.5	58.6	59.5	59.5	61.5	62.2
25.2	39.2	40.6	42.2	45.2	45.5	49.4	55.2	56.8	58.3	59.5	59.7	60.6	60.6	62.6	63.2
26.6	40.6	42.3	43.8	47.2	47.7	51.7	57.5	59.1	60.6	61.8	62.1	62.9	62.9	64.9	65.5
27.7	41.8	43.4	45.1	48.5	48.9	52.9	58.8	60.3	61.8	63.1	63.2	64.2	64.2	66.2	66.8
27.8	42.2	43.7	45.4	48.8	49.2	53.2	59.1	60.6	62.5	64.0	64.2	65.2	65.2	67.4	68.0
27.8	42.2	43.7	45.4	48.8	49.2	53.2	59.2	60.9	63.1	64.8	64.9	66.0	66.0	68.2	68.8
28.5	43.1	44.6	46.6	50.2	50.6	54.8	60.9	62.8	64.9	66.6	66.8	67.8	67.8	70.0	70.6
28.5	43.8	45.4	47.4	50.9	51.4	55.5	61.8	63.7	66.0	67.7	67.8	69.2	69.2	71.4	72.0
28.9	45.5	47.2	49.5	53.4	53.8	58.5	64.8	66.6	68.9	70.6	70.8	72.3	72.3	74.5	75.1
28.9	46.2	48.0	50.3	54.2	54.9	59.7	66.0	68.2	70.6	72.3	72.5	74.2	74.2	76.3	76.9
28.9	46.8	48.8	51.4	55.2	56.3	61.1	68.5	70.6	73.1	74.8	74.9	76.6	76.6	78.8	79.4
28.9	47.1	49.1	52.0	55.8	56.8	62.0	69.8	72.0	74.5	76.2	76.3	78.0	78.0	80.2	80.8
28.9	48.3	50.5	53.7	58.0	58.9	64.2	72.3	74.8	77.2	79.1	79.2	80.9	80.9	83.1	83.7
29.7	49.4	51.5	54.9	59.4	60.3	65.5	73.8	76.6	79.1	81.1	81.2	83.1	83.1	85.2	86.0
29.7	50.0	52.3	55.8	60.3	61.2	66.6	74.9	77.7	80.3	82.5	82.6	85.2	85.2	87.4	88.3
29.8	50.3	52.6	56.2	60.6	61.5	66.9	75.5	78.3	80.9	83.1	83.2	85.8	85.8	88.0	88.9
30.0	51.1	53.5	57.2	61.8	62.9	68.5	77.4	80.5	83.7	85.8	86.0	88.5	88.9	91.1	92.0
30.2	51.5	54.0	57.7	62.3	63.4	69.1	78.0	81.1	84.6	86.8	86.9	89.7	89.8	92.0	92.9
30.2	51.5	54.0	57.7	62.3	63.4	69.1	78.6	81.7	85.7	88.3	88.5	91.4	91.5	94.0	95.1
30.5	51.8	54.3	58.0	62.6	63.7	69.4	79.1	82.2	86.2	88.8	88.9	91.8	92.0	94.6	95.7
30.5	52.0	54.5	58.2	62.8	63.8	69.7	79.4	82.5	86.8	89.7	89.8	92.9	93.1	95.8	97.1
30.5	52.0	54.5	58.2	62.8	64.0	69.8	79.5	82.6	87.1	90.2	90.3	93.5	93.7	96.6	97.8
30.5	52.0	54.5	58.2	62.8	64.0	69.8	79.5	82.6	87.1	90.2	90.3	94.0	94.2	97.4	98.6
30.5	52.0	54.5	58.2	62.8	64.0	69.8	79.5	82.6	87.1	90.2	90.3	94.0	94.2	97.4	99.1
30.5	52.0	54.5	58.2	62.8	64.0	69.8	79.5	82.6	87.1	90.2	90.3	94.0	94.2	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

7 1170 TTN CITY AFS AK

73-81

DEC

PER CENT OF THE DAY WHEN THE CEILING IS
EQUAL TO OR GREATER THAN THE VISIBILITY

ALL

25.6	34.4	35.9	37.4	41.2	41.7	44.7	48.6	49.5	51.1	52.5	52.5	53.6	53.8	54.8	55.8
25.8	34.7	36.2	37.6	41.5	42.1	45.0	49.3	50.2	51.8	53.2	53.2	54.3	54.5	55.5	56.5
26.0	35.1	36.6	38.0	41.9	42.5	45.4	49.9	50.8	52.4	53.9	53.9	55.0	55.1	56.1	57.2
26.1	35.1	36.6	38.1	42.0	42.6	45.5	50.0	50.9	52.5	53.9	54.0	55.1	55.2	56.2	57.3
26.3	35.4	36.9	38.4	42.3	42.9	45.8	50.3	51.2	52.8	54.3	54.3	55.4	55.6	56.5	57.6
26.6	35.7	37.3	38.8	42.8	43.4	46.4	51.0	51.9	53.5	55.0	55.1	56.2	56.3	57.3	58.4
26.8	36.1	37.7	39.2	43.3	43.8	46.9	51.5	52.4	54.0	55.6	55.6	56.7	56.9	57.9	59.0
27.0	36.3	38.0	39.5	43.6	44.2	47.4	51.9	52.9	54.6	56.2	56.3	57.4	57.6	58.5	59.7
27.7	37.3	39.0	40.6	44.8	45.4	48.5	53.1	54.1	55.8	57.5	57.6	58.7	58.9	59.8	61.0
29.1	39.0	40.7	42.5	46.8	47.4	50.7	55.4	56.6	58.4	60.2	60.2	61.4	61.5	62.5	63.7
29.6	39.6	41.3	43.1	47.5	48.1	51.3	56.1	57.3	59.1	60.9	60.9	62.1	62.3	63.3	64.5
29.8	39.8	41.6	43.3	47.8	48.4	51.7	56.5	57.7	59.6	61.5	61.5	62.7	62.9	64.0	65.2
30.0	40.2	41.9	43.7	48.2	48.8	52.1	57.0	58.2	60.2	62.2	62.2	63.5	63.7	64.8	66.0
30.9	41.7	43.5	45.3	50.0	50.7	54.3	59.3	60.6	62.8	64.9	65.0	66.5	66.6	68.0	69.2
31.6	43.4	45.3	47.3	52.0	52.8	56.5	61.7	63.0	65.4	67.5	67.6	69.2	69.4	70.8	72.2
32.1	44.5	46.7	48.8	53.7	54.5	58.4	63.8	65.1	67.7	70.1	70.1	71.8	72.0	73.5	75.0
32.3	45.4	47.7	50.0	54.9	55.9	59.8	65.3	66.8	69.5	71.9	72.0	73.9	74.1	75.6	77.1
32.6	46.2	48.5	51.1	56.3	57.3	61.8	68.1	69.6	72.4	75.0	75.1	77.1	77.3	79.1	80.6
32.7	46.7	49.1	51.7	57.0	58.0	62.6	69.0	70.6	73.4	76.0	76.1	78.1	78.3	80.1	81.6
33.0	47.6	50.1	53.0	58.4	59.6	64.3	71.1	72.9	75.9	78.7	78.8	80.9	81.1	83.0	84.5
33.6	48.8	51.4	54.5	60.1	61.3	66.3	73.2	75.0	78.2	81.0	81.1	83.5	83.7	85.6	87.2
33.9	49.6	52.3	55.4	61.1	62.3	67.5	74.6	76.5	79.7	82.7	82.9	85.5	85.7	87.8	89.6
33.9	49.7	52.5	55.6	61.4	62.6	67.8	75.1	76.9	80.2	83.3	83.4	86.1	86.3	88.5	90.2
34.2	50.4	53.3	56.4	62.3	63.6	68.8	76.5	78.5	82.0	85.1	85.3	88.2	88.4	90.6	92.4
34.3	50.7	53.6	56.8	62.7	64.0	69.3	77.1	79.2	82.9	86.1	86.3	89.3	89.5	91.7	93.6
34.4	50.9	53.8	56.9	62.9	64.2	69.5	77.4	79.6	83.4	86.9	87.0	90.2	90.4	92.8	94.9
34.5	51.0	53.9	57.1	63.0	64.3	69.7	77.8	80.0	83.9	87.4	87.6	90.8	91.1	93.5	95.6
34.5	51.0	54.0	57.1	63.1	64.4	69.8	77.9	80.2	84.2	87.8	87.9	91.3	91.6	94.3	96.7
34.5	51.1	54.0	57.2	63.1	64.5	69.9	78.0	80.3	84.5	88.4	88.5	92.0	92.3	95.1	97.6
34.5	51.1	54.0	57.2	63.1	64.5	69.9	78.0	80.3	84.6	88.5	88.7	92.5	92.7	95.7	98.5
34.5	51.1	54.0	57.2	63.1	64.5	69.9	78.0	80.3	84.6	88.5	88.7	92.5	92.7	95.8	99.3
34.5	51.1	54.0	57.2	63.1	64.5	69.9	78.0	80.3	84.6	88.5	88.7	92.5	92.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5778

USAF ETAC

2
SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-170 IIN CITY AFS AK

73-81

ALL

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 4000 TO 10000 FEET

20.1	25.0	26.1	26.7	28.1	28.4	29.6	30.9	31.4	32.1	32.9	32.9	33.5	33.5	34.1	34.6
20.7	25.8	26.9	27.6	29.0	29.4	30.6	32.0	32.5	33.2	34.0	34.1	34.7	34.8	35.3	35.3
21.3	26.6	27.7	28.4	29.9	30.3	31.5	33.0	33.4	34.3	35.1	35.1	35.8	35.9	36.4	36.9
21.5	26.8	27.9	28.5	30.1	30.5	31.7	33.2	33.7	34.5	35.3	35.4	36.0	36.1	36.6	37.2
21.9	27.2	28.3	29.0	30.5	30.9	32.2	33.7	34.2	35.0	35.8	35.9	36.5	36.6	37.7	37.7
22.2	27.6	28.7	29.4	31.0	31.4	32.7	34.2	34.7	35.5	36.4	36.4	37.1	37.2	37.8	38.3
22.7	28.1	29.3	30.0	31.5	32.0	33.3	34.8	35.3	36.1	37.0	37.1	37.8	37.9	38.4	39.0
23.1	28.7	29.8	30.5	32.2	32.6	33.9	35.4	35.9	36.6	37.6	37.7	38.4	38.5	39.1	39.6
24.6	30.5	31.7	32.4	34.1	34.5	35.9	37.5	38.0	38.9	39.8	39.9	40.6	40.7	41.7	41.9
26.3	32.6	33.9	34.7	36.5	36.9	38.4	40.0	40.5	41.5	42.6	42.6	43.4	43.5	44.2	44.8
27.0	33.5	34.8	35.6	37.5	38.0	39.4	41.2	41.8	42.8	43.8	43.9	44.7	44.8	45.4	46.1
27.6	34.3	35.7	36.5	38.4	38.9	40.4	42.2	42.8	43.9	44.9	45.0	45.8	45.9	46.6	47.2
27.9	34.6	35.9	36.8	38.7	39.2	40.7	42.6	43.2	44.2	45.3	45.3	46.2	46.3	47.0	47.6
29.1	36.2	37.7	38.6	40.6	41.1	42.8	44.7	45.3	46.4	47.5	47.6	48.5	48.6	49.3	50.0
30.6	38.2	39.8	40.8	42.9	43.5	45.2	47.2	47.9	49.1	50.2	50.3	51.2	51.4	52.1	52.6
31.7	39.7	41.4	42.4	44.7	45.3	47.1	49.2	49.9	51.1	52.3	52.4	53.3	53.5	54.2	54.9
33.1	41.7	43.5	44.6	47.0	47.6	49.5	51.7	52.4	53.7	54.9	55.0	56.0	56.2	57.0	57.7
34.9	44.5	46.5	47.8	50.5	51.2	53.3	55.8	56.6	57.9	59.2	59.3	60.4	60.6	61.4	62.2
35.5	45.3	47.5	48.8	51.6	52.3	54.5	57.0	57.8	59.2	60.5	60.6	61.7	61.9	62.8	63.5
36.4	46.7	49.0	50.5	53.6	54.3	56.8	59.5	60.4	61.9	63.3	63.4	64.6	64.8	65.7	66.5
37.4	48.4	50.3	52.4	55.6	56.5	59.1	62.0	62.9	64.5	66.1	66.2	67.5	67.7	68.6	69.5
38.0	49.5	52.1	53.7	57.3	58.1	61.0	64.1	65.1	66.9	68.5	68.7	70.0	70.2	71.2	72.2
38.6	50.3	53.0	54.7	58.3	59.1	62.2	65.4	66.5	68.2	70.0	70.1	71.6	71.8	72.8	73.8
39.3	51.5	54.3	56.2	60.0	61.0	64.1	67.5	68.6	70.6	72.5	72.6	74.2	74.4	75.5	76.6
39.8	52.4	55.5	57.4	61.4	62.4	65.7	69.3	70.5	72.6	74.6	74.8	76.4	76.6	77.8	79.0
40.3	53.4	56.6	58.6	62.8	64.0	67.5	71.3	72.6	74.8	77.1	77.2	79.1	79.3	80.6	81.9
40.7	54.1	57.4	59.6	64.0	65.2	68.8	72.8	74.2	76.5	78.9	79.1	81.1	81.3	82.8	84.2
41.7	54.7	58.2	60.5	65.1	66.4	70.2	74.5	75.9	78.4	80.9	81.1	83.3	83.5	85.1	86.8
41.2	55.3	58.8	61.7	66.7	67.5	71.6	76.1	77.7	80.5	83.5	83.7	86.2	86.6	88.4	90.4
41.3	55.5	59.1	61.6	66.6	68.1	72.6	77.4	79.1	82.2	85.6	85.9	89.0	89.5	92.0	94.9
41.3	55.5	59.1	61.6	66.7	68.2	72.7	77.6	79.4	82.6	86.1	86.4	89.8	90.3	93.5	98.7
41.3	55.5	59.1	61.6	66.7	68.2	72.7	77.7	79.4	82.6	86.2	86.4	89.9	90.4	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 69460

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]TOTAL NUMBER OF OBSERVATIONS

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SKY COVER

7 1170 TIN CITY AFS AK

77-81

JA.

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF HOURS	
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	21.9			17.7						15.5	42.9	6.3	699
	03-05	19.9			21.2						17.4	41.5	6.4	742
	06-08	23.2			22.4						15.5	41.9	6.3	754
	09-11	13.6			22.8						23.1	43.6	7.1	785
	12-14	9.7			2.4						22.8	47.1	7.4	751
	15-17	9.5			16.6						21.2	49.7	7.5	567
	18-20	19.7			17.2						15.4	47.6	6.7	441
	21-23	22.2			22.2						14.2	43.4	6.2	549
TOTALS		46.7			20.4						18.1	44.7	6.7	5287

USAFETAC

FORM
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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

73-81

STATION

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	10-12	39.2			15.7						12.4	33.3	4.9	645
	13-15	34.3			17.7						9.9	33.1	4.7	679
	16-18	28.0			27.4						12.9	31.6	5.1	689
	19-21	21.3			25.8						22.7	30.3	5.8	714
	22-24	21.4			24.9						21.1	32.7	5.9	707
	15-17	21.8			23.1						21.3	33.7	6.3	623
	18-20	26.5			22.1						22.4	31.0	5.6	461
	21-23	35.8			18.9						13.5	31.7	5.0	533
TOTALS		29.2			21.9						16.8	32.2	5.4	5051

SKY COVER

73-21

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STATION

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SKY COVER

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
APR	10-02	24.0			13.2						16.4	41.4	6.2	751
	03-05	16.9			23.7						15.4	43.9	6.5	767
	06-08	13.7			21.9						21.3	43.1	6.9	775
	09-11	15.2			23.2						23.6	38.1	6.6	772
	12-14	15.3			23.3						23.5	37.9	6.6	767
	15-17	16.4			19.6						28.9	35.	6.7	657
	18-20	12.6			16.2						25.1	44.3	7.2	533
	21-23	16.7			19.5						17.2	44.5	6.6	647
TOTALS		16.6			23.9						21.4	41.1	6.7	5669

SKY COVER

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STATION

STAT OR NAME

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	5-02	5.2			9.8						16.2	68.8	9.6	783
	5-05	4.9			9.8						16.0	67.3	9.6	796
	5-08	5.9			9.3						20.7	64.1	9.5	878
	5-11	4.3			10.1						23.8	61.6	9.6	813
	5-14	4.5			11.7						23.2	60.6	9.5	813
	5-17	5.8			10.6						24.8	58.8	9.4	791
	5-20	3.2			12.2						22.9	61.7	9.6	691
	5-23	3.9			10.1						21.1	64.9	9.7	715
TOTALS		4.7			10.5						21.3	63.5	9.6	2231

SKY COVER

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MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF RS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	10-02	5.6			14.7						16.3	63.3	8.2	747
	13-05	5.7			13.8						16.8	63.7	8.3	775
	16-08	5.9			14.7						15.9	63.6	8.2	792
	19-11	5.2			14.7						17.1	63.7	8.3	797
	12-14	4.9			15.0						21.5	56.6	8.2	781
	15-17	5.1			13.7						26.7	54.5	8.3	679
	18-20	7.1			15.8						22.7	54.4	8.3	577
	21-23	6.8			15.7						19.8	57.8	8.7	626
TOTALS		5.6			14.8						19.6	59.9	8.2	5617

SKY COVER

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SKY COVER

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	30-02	6.8			13.9						21.4	59.0	2.1	766
	03-05	5.0			14.8						22.6	57.3	2.2	775
	06-08	3.0			9.0						30.3	57.8	2.3	779
	09-11	2.7			8.2						34.9	54.3	2.9	753
	12-14	2.6			7.0						40.2	50.3	2.9	743
	15-17	1.6			7.3						41.7	49.4	2.9	613
	18-20	1.1			9.1						40.9	48.9	2.8	538
	21-23	3.4			14.6						26.3	55.7	2.4	671
TOTALS		3.3			10.5						32.3	54.0	2.6	5071

SKY COVER

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

13-61

STATION

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STATION

STATION NAME

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JFC	5-02	33.2			19.2						13.3	34.2	5.2	707
	13-05	33.5			19.4						13.0	34.0	5.2	719
	16-18	28.7			25.7						17.2	33.4	5.2	724
	19-11	17.6			27.8						22.0	32.6	5.1	767
	12-14	13.5			26.9						27.3	32.3	5.5	747
	15-17	11.8			27.6						25.0	35.6	5.6	595
	16-20	20.8			23.9						16.6	36.7	5.1	452
	21-23	26.7			21.5						13.9	35.8	5.5	582
TOTALS		23.5			24.0						18.2	34.3	5.5	5271

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

SKY COVER

7 17 73-81 TIN CITY AFS AK

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE OF SKY COVER	TOTAL NUMBER OF OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	ALL	10.7			21.4						13.1	44.7	5.7	5297
FEB		29.2			21.9						16.6	32.2	5.4	5512
MAR		24.3			24.0						17.1	34.7	5.7	5725
APR		16.6			2.9						21.4	41.1	5.7	5669
MAY		4.7			1.5						11.3	33.5	5.6	5231
JUN.		5.8			14.8						19.6	39.9	5.2	5017
JUL		4.1			13.1						21.6	32.3	5.5	5033
AUG		1.2			2.5						23.7	36.7	5.1	5445
SEP		3.3			11.5						12.3	34.1	5.0	5071
OCT		0.7			10.3						27.4	35.4	5.3	5664
NOV		10.6			16.5						18.7	34.2	7.6	5052
DEC		23.5			24.0						18.2	34.3	5.8	5271
TOTALS		12.2			10.3						21.3	50.3	7.4	67607

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to points of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for the entire month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1940. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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SEAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC
7 0000 CAPE NEWENHAM AFS AK
STATION NAME

DAILY TEMPERATURES

53-62

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.
70							.1						.1
71							.7						.7
72					.1	.7	3.4	1.1	.2				.7
73					.5	3.5	13.6	7.6	1.4				1.3
74					5.9	13.7	34.7	39.2	8.6				8.1
75					12.5	38.1	70.4	86.6	44.1	1.9	.1	.1	20.0
76	.1	.2			30.9	73.7	96.7	99.8	89.6	18.6	1.4	.5	33.7
77	.6	.5	.1	1.5	57.7	94.7	100.0	100.0	97.7	50.6	17.5	4.9	45.4
78	31.3	22.0	23.1	4.6	85.2	100.0			100.0	75.7	45.6	25.5	62.3
79	53.3	41.1	50.0	71.4	97.4					91.3	65.3	45.7	70.5
80	63.0	51.5	62.8	83.1	99.5					97.5	81.2	56.8	83.6
81	71.4	61.1	72.1	91.1	100.0					99.2	89.6	68.0	87.7
82	75.9	69.2	79.9	96.5						100.0	93.4	75.7	91.9
83	81.3	77.1	87.9	99.0							98.8	83.5	93.9
84	85.0	83.4	93.1	99.7							99.2	89.7	95.9
85	91.5	90.2	96.4	100.0							99.9	94.6	97.7
86	95.7	90.1	97.8								100.0	98.5	99.1
87	96.9	90.9	99.6									99.5	99.7
88	100.0	100.0	100.0									100.0	100.0
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	24.7	24.6	25.3	31.7	41.4	48.2	53.3	53.8	49.0	36.7	31.6	24.1	37.1
S.D.	14.572	14.483	11.969	7.885	6.326	5.763	5.251	4.089	4.223	6.388	9.069	12.836	14.721
TOTAL OBS	723	643	728	721	777	703	700	665	662	797	709	775	8095

USAFETAC 0.21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

73000 CAPE NEWENHAM AFS AK

STATION STATION NAME

53-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
5						.1	1.6	.5					.1
4					.3	1.5	14.5	25.1	6.1	.2			3.8
3					1.8	17.7	59.1	83.8	40.6	2.5			10.4
2		.6	.3	.1	12.5	64.0	97.1	99.6	81.8	15.6	1.8		3.4
1	0.4	2.3	1.4	6.3	43.6	91.7	100.0	100.0	96.5	43.1	14.5	3.4	42.1
0	12.3	7.2	5.6	12.8	59.7	96.5			98.4	55.5	23.9	7.7	48.1
-1	23.5	16.5	18.1	29.3	81.7	99.9			99.4	71.1	36.5	17.6	58.1
-2	41.4	30.3	36.1	53.5	76.8	100.0			100.0	87.9	55.6	32.7	69.7
-3	50.7	39.7	48.1	69.3	98.9					96.0	71.6	43.1	78.7
-4	58.4	47.1	57.8	80.6	100.0					95.6	82.1	53.7	81.3
-5	66.3	57.4	67.0	90.6						99.6	86.9	63.4	86.3
-6	73.2	65.6	76.9	96.9						100.0	95.8	73.8	90.4
-7	77.4	72.2	85.7	98.9							96.5	83.1	93.2
-8	85.6	83.0	92.7	99.9							99.3	90.1	96.1
-9	93.2	92.2	95.5	100.0							100.0	97.1	96.2
-10	97.9	96.7	98.6									98.9	99.4
-11	99.7	99.7	99.9									100.0	99.9
-12	100.0	100.0	100.0										100.0
MEAN	15.7	12.0	15.3	23.2	33.8	40.6	45.6	47.5	43.2	32.8	24.3	14.6	27.1
S.D.	15.7	15.0	13.4	7.0	5.1	4.2	3.6	3.5	4.3	6.8	5.1	3.8	15.3
TOTAL OBS	723	643	728	72	794	733	73	55	692	83	71	789	577

USAFETAC FORM 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

73000 CAPE NEENAH AFB AK

STATION NAME

53-02

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

DAY

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-5							0.4						0.4
-4					0.1	0.1	2.1	0.8	0.2				0.4
-3					0.1	2.3	14.0	13.3	4.3				2.0
-2					2.6	14.0	40.0	63.3	20.2				11.1
-1					11.6	50.3	91.7	96.5	71.6	7.5			20.0
0	2.0	0.2			36.2	85.2	100.0	100.0	95.0	31.1	7.1	0.6	37.7
1	15.2	9.5	6.9	19.4	71.3	98.6			99.2	62.7	29.3	10.8	51.6
2	30.0	27.5	33.8	5.7	94.2	100.0			100.0	83.9	51.6	28.3	67.4
3	52.1	39.8	48.6	70.3	98.4					95.2	7.7	44.5	76.6
4	60.0	40.8	50.6	82.8	100.0					98.2	82.5	56.4	82.8
5	67.0	57.7	70.2	91.7						99.7	90.8	66.7	87.2
6	75.0	65.0	78.7	96.9						100.0	94.2	75.4	9.7
7	8.0	70.4	88.2	98.9							98.0	83.5	93.0
8	15.6	82.3	93.1	100.0							99.3	90.2	95.0
9	42.3	91.4	96.2								100.0	96.0	96.0
10	87.6	96.9	98.2									98.6	99.0
11	99.2	99.7	99.9									99.9	99.9
12	100.0	100.0	100.0									100.0	100.0
MEAN	20.4	17.0	20.8	27.7	37.8	44.6	47.8	50.9	46.4	35.0	26.2	19.7	33.2
S.D.	10.53	14.78	12.51	0.151	5.797	4.753	4.159	3.279	4.069	6.437	9.436	13.147	15.164
TOTAL OBS	723	643	728	720	770	703	700	665	662	797	709	775	8595

USAFETAC FORM 0 21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MINIMUM TEMPERATURE

1170 TWIN CITY AFS AK

54-51

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
54	-37	-34	-33	-12	23	20	32	36*	25	12	-3*	-71	-34
55	-37	-44*	-33	-12	4	20	33	31	30*	7	-11*	-23	-44
56	-32*	-30*	-31	-17	20	21	33	33	21	5	-17*	-30	-31
57	-32*	-37*	-26	-12	12	31	34	37	24	9	-6*	-27	-37
58	-24*	-14*	-17*	-10*	3								
59													
60				*	25	27	34	36	29	9	-10	-10	
61	-23	-31	-30	-13	17	29	31	36	27	14	-5	-42	-42
62	-24	-22	-22	-12*	9	24	37	33	26	10	-9	-71	-24
63	-20	-15	-27	-5	16	23	37	34	26	4	-10	-10	-27
64	-37	-38	-30	-22*	4	*	37	39*	32		*	-17	
65	-29	-29	-24*	-12*	27	28	34	34	21*	17*	5*	-77	-29
66	-23	-30	-34	-15	7	27	33*	36					
67			*	27	20	26	37*	39*	32	9*	-2		
68			*	-5	4			*	29				
69			*	13	17	23	36*	41	*	13*	-15	-13	
70	-27*	-27	*	-14	*	35	34	35	24	1*	3	-77	
71	-23	-34	-10	-6	4	20	37	34	30	17	-1	-21	-34
72	-20	-22	-23	-5	12	23	39	39	27	22	2	-11	-27
73	-24	-21	-35	-4	3*	28*	34	33	26	19	-6	-77	-35
74	-24	-35	-21	-14	6	23*	36	39	32	4	-12	-31	-35
75	-26	-33	-27	-11	5	24	34	39	25	4	-4	-73	-33
76	-23	-36	-17	-16	10	27	32	35	33	9	-9	-71	-36
77	-23	-33	-37	-21	5	25	32	42	31	5	-9	-13	-37
78	-5	-37	-15	-11	13	27	36	40	30	11	4	-77	-37
79	-24	-24	-15	-9	19	31	34	39	28	14	2	-19	-24
80	-30	-23	-19	-7	9	27	37	32	24	22	2	-15	-37
81	-20	-26	-25	2	17	31	32	33	26	13	-11	-15	-26
MEAN	-24.3	-29.9	-25.6	-11.0	11.1	26.4	34.5	36.3	27.2	17.6	-6.1	-19.9	-31.7
S.D.	4.911	7.095	6.670	6.091	6.992	2.754	2.198	3.225	3.313	5.763	5.778	8.17	6.166
TOTAL OBS	702	633	677	701	750	693	757	733	655	666	247	677	6336

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

731170 TTN CITY AFS AK

73-81

JAN

PAGE 1 0000-0200

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	DB	WB	DB	WB	DB	WB	
34/ 35		.5	.3																			6	6					
34/ 33	.1	1.2																				9	9	9	1			
32/ 31	.9	2.5	.4																			29	29	16	12			
30/ 29	2.5	2.3	.8																			43	43	38	17			
29/ 27	.8	1.3																				16	16	30	29			
26/ 25	.3	1.8																				31	31	27	19			
24/ 23	.9	2.2																				24	24	33	14			
22/ 21	.9	1.8																				21	21	22	26			
21/ 19	1.3	2.9																				32	32	28	13			
18/ 17	.9	1.6																				19	19	20	25			
15/ 15	.8	1.8																				20	20	23	33			
14/ 13	.1	2.3																				19	19	9	19			
12/ 11	2.3	1.4																				29	29	36	13			
10/ 9	1.0	2.0																				23	23	19	22			
5/ 7	1.6	2.5																				31	31	32	27			
6/ 5	2.5	1.6																				31	31	35	13			
4/ 3	1.6	1.6																				24	24	28	28			
2/ 1	2.7	1.6																				33	33	29	29			
0/ -1	2.9	.4																				25	25	26	28			
-2/ -3	5.1	.7																				44	44	44	31			
-4/ -5	2.9	.1																				23	23	26	16			
-6/ -7	4.8																					37	37	37	26			
-5/ -9	3.0																					23	23	23	32			
-12/ -11	3.0																					23	23	23	32			
-12/ -13	4.0																					31	31	31	21			
-14/ -15	3.8																					29	29	29	27			
-16/ -17	3.0																					23	23	23	22			
-18/ -19	4.6																					35	35	35	27			
-20/ -21	2.9																					22	22	22	25			
-22/ -23	1.2																					9	9	9	30			
-24/ -25	.4																					3	4	3	17			
-26/ -27																										22		
-28/ -29																										17		
-30/ -31																										10		
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs		Mean No. of Hours with Temperature										Total							
Rel. Hum.											10 F 32 F 47 F 73 F 80 F 93 F																	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

701170 VIN CITY AFS AK 73-81

JAN

PAGE 2 0000-0200

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	D.P. B.	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

PSYCHROMETRIC SUMMARY:

701170 LIN CITY AFS AK
STATION STATION NAME

73-81

JAN

PAGE 1 0300-0500

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PSYCHROMETRIC SUMMARY

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JAN

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Temp F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL DB W.B. D.P.	TOTAL W.B. D.P.	
32/-33																																	5	
34/-35																																	2	
36/-37																																	4	
38/-39																																	2	
40/-41																																	9	
44/-45																																	3	
46/-47																																	4	
50/-59																																	1	
TOTAL	64.6	33.8	1.6																													799	801	799

Element (X)	ΣX^2	ΣX	\bar{X}	S_x	No. Obs	Mean No. of Hours with Temperature						Total
						+ 0 F	+ 32 F	+ 64 F	+ 96 F	+ 128 F	+ 160 F	
Rel. Hum.	4701.415	60341	75.513	4.53	799							93
Dry Bulb	234767	3825	4.816	4.13	801	39.8	91.3					93
Wet Bulb	220106	3562	4.515	.998	799	40.5	92.8					93
Dew Point	283435	-1065	-1.318	.799	799	48.7	93.0					

PSYCHROMETRIC SUMMARY

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PAGE 1 0600-0800

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

701170 TIN CITY AFS AK

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JAN

PAGE 2 0600-0800

Temp F	WET BULB TEMPERATURE DEPRESSION F																									TOTAL DB WB DB WB	TOTAL Wet Bulb
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
32/-33																											4
34/-35																											5
36/-37																											2
38/-39																											4
40/-41																											5
42/-43																											2
44/-45																											3
46/-47																											2
48/-49																											2
52/-53																											1
54/-55																											1
56/-59																											2
TOTAL	63.9	34.6	1.5																							806	806

Element	X	Z _x	Z _y	X	%	No. Obs	Mean No. of Hours with Temperature					Total
Rel Hum	4705464	63504	75.1	4.256		806	10 F	32 F	47 F	73 F	93 F	
Dry Bulb	237454	3976	4.9	4.50		806	39.1	91.0				93
Wet Bulb	224931	3637	4.5	4.094		806	39.8	92.5				93
Dew Point	299594	-1172	-1.5	1.237		806	47.5	93.7				93

PSYCHROMETRIC SUMMARY

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AD-A131 191 TIN CITY AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83

TIN CITY AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83
140000Z APR 83

4/5

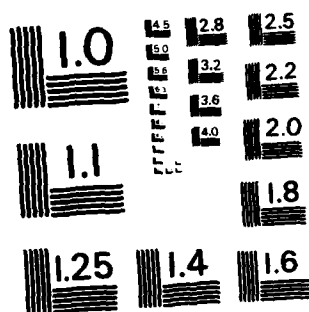
UNCLASSIFIED USAFETAC/DS/83/017 SBI-AD-E850 395

USAFETAC/DS/83/017 SBI-AD-E050 395

F/G 4/2

NL

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines forming small squares across the entire page. There are no margins, text, or other markings on the paper.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

72117G

TIN CITY AFS AK

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JAN

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PSYCHROMETRIC SUMMARY

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JAN

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PSYCHROMETRIC SUMMARY

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PAGE 2 1200-1400

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PSYCHROMETRIC SUMMARY

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PAGE 1 1500-1700

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PSYCHROMETRIC SUMMARY

JAN

PAGE ? 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB Dry Bulb	Wet Bulb Dew Point					
28/-29																																			11				
30/-31																																			12				
32/-33																																			3				
34/-35																																			1				
36/-37																																			3				
42/-43																																			3				
44/-45																																			3				
46/-49																																			1				
50/-51																																			1				
TOTAL	65	134	9																															578	580	578			

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 57 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	3548161	44623	77.213	3.371	578							93
Dry Bulb	182237	3755	6.516	5.14	580	35.9	90.6					93
Wet Bulb	172458	3568	6.216	4.47	578	35.9	91.6					93
Dew Point	207832	470	.818	9.61	578	43.6	92.5					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

71170 LIN CITY AFS AK

73-75.78-81

JAN

PAGE 1 1800-2000

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL WB D. B.		TOTAL Wet B. - Dry Bulb											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50												
41/ 39			.2																					1	1													
38/ 37		.2																						1	1													
36/ 35		.6	.2																					4	4	2												
34/ 33		1.3																						6	6	4												
32/ 31		3.6																						17	17	7	5											
30/ 29	3.6	1.1																						22	22	33	19											
28/ 27	1.9	3.4																						25	25	18	21											
26/ 25	.2	1.9																						10	10	15	16											
24/ 23	1.3	1.1																						11	11	18	2											
22/ 21	1.3	.6																						9	9	7	17											
20/ 19	3.4	3.0																						30	30	22	26											
18/ 17	1.3	3.2																						21	21	27	14											
16/ 15	1.5	3.0																						21	21	20	17											
14/ 13	1.7	2.3																						19	19	14	21											
12/ 11	2.8	.6																						16	16	23	14											
10/ 9	3.4	1.9																						25	25	23	20											
8/ 7	.6	1.5																						10	10	11	29											
6/ 5	1.7	.2																						9	9	13	4											
4/ 3	2.8	1.1																						18	18	18	13											
2/ 1	3.3	2.8																						27	27	22	16											
0/ -1	3.0																							14	14	19	13											
-2/ -3	3.2																							15	15	15	15											
-4/ -5	2.1																							10	10	10	13											
-6/ -7	2.8																							13	13	13	22											
-8/ -9	4.7																							22	22	22	13											
-10/ -11	2.5																							12	12	12	11											
-12/ -13	3.2																							15	15	15	6											
-14/ -15	4.0																							19	19	19	21											
-16/ -17	2.3																							11	11	11	11											
-18/ -19	4.0																							19	19	19	25											
-20/ -21	1.9																							9	9	9	17											
-22/ -23	1.1																							5	5	5	5											
-24/ -25	.4																							2	2	2	14											
-26/ -27	.2																							1	1	1	17											
Element (X)	Σ X																								No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.																											+ 0 F		+ 22 F		+ 42 F		+ 62 F		+ 82 F		Total	
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

PSYCHROMETRIC SUMMARY

JAN

PAGE 2 1600-2000

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL WB D. B.				TOTAL Wet B. - Dew P.																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																
29/-29	.4																															2																														9	
30/-31																																																															1
32/-33																																																															1
34/-35																																																															1
36/-37																																																															2
TOTAL	66,233.3 .4																																			471				471				471				471															
</																																																															

PSYCHROMETRIC SUMMARY

74-81

JAN

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PSYCHROMETRIC SUMMARY

74-81

JAN

PAGE 7 2100-2300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DE WB DB B	TOTAL WB DB B	Total P
32/-33																																	6	
34/-35																																	2	
36/-37																																	1	
TOTAL																																	603	
																																	603	
Element (X)	Z _x	Z _y	X̄	Ȳ	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	3676490	46690	77.410	591	603	< 0 F	< 32 F	> 50 F	> 73 F	> 80 F	> 93 F																							
Dry Bulb	173069	3525	5.815	903	604	36.6	91.0					93																						
Wet Bulb	162460	3266	5.415	508	603	37.5	92.2					93																						
Dew Point	180200	186	-317.299		603	47.5	93.0					93																						

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL DB WB		TOTAL Dry Bulb		TOTAL Wet Bulb		TOTAL Dew Point																					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60																							
40/ 39		.1	.0																								5	5																										
38/ 37		.0																									2	2		3																								
36/ 35		.2	.3																								28	28		4	3																							
34/ 33	.2	1.1	.1																								77	77		40	2																							
32/ 31	.9	2.8	.1																								210	210		140	63																							
30/ 29	2.2	1.9	.4																								255	255		275	132																							
28/ 27	1.6	1.8	.1																								198	198		230	220																							
26/ 25	.7	2.5																									179	179		181	199																							
24/ 23	.8	1.4																									121	121		175	84																							
22/ 21	1.5	1.5																									169	169		167	168																							
20/ 19	2.0	2.0																									222	222		202	225																							
18/ 17	1.3	2.6	.0																								219	219		198	163																							
16/ 15	1.2	2.9																									228	228		216	207																							
14/ 13	.9	2.7																									201	201		169	177																							
12/ 11	1.8	1.6																									192	192		236	175																							
10/ 9	1.3	2.0																									182	182		179	196																							
8/ 7	1.2	2.2																									190	190		193	198																							
6/ 5	2.0	1.0																									172	172		211	126																							
4/ 3	2.1	1.5																									203	203		218	168																							
2/ 1	2.8	1.6																									248	248		219	261																							
0/ -1	2.7	.3																									167	167		192	154																							
-2/ -3	3.4	.4																									214	214		219	185																							
-4/ -5	3.3	.2																									197	197		202	152																							
-6/ -7	3.6																										203	203		211	177																							
-8/ -9	3.8																										212	212		212	190																							
-10/ -11	3.7																										206	208		206	206																							
-12/ -13	3.4																										189	189		189	137																							
-14/ -15	3.8																										210	211		210	172																							
-16/ -17	3.7																										209	210		209	185																							
-18/ -19	3.4																										193	193		193	213																							
-20/ -21	2.9																										165	167		165	170																							
-22/ -23	1.7																										95	97		95	184																							
-24/ -25	.5																										27	29		27	174																							
-26/ -27	.1																										5	5		5	142																							
Element (X)	Σ X																										No. Obs		Mean No. of Hours with Temperature																									
Rel Hum																																																						
Dry Bulb																																																						
Wet Bulb																																																						
Dew Point																																																						

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48
27/-29	0																								2	2
27/-31	0																								1	1
27/-33																										
27/-35																										
27/-37																										
27/-39																										
27/-41																										
27/-43																										
27/-45																										
27/-47																										
27/-49																										
27/-51																										
27/-53																										
27/-55																										
27/-57																										
27/-59																										
TOTAL	64	00	4.3	1.1																					5596	5596

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs	Mean No. of Hours with Temperature						Total
Re. Hum	33445365	426307	76.213	1.60	5596	10 F	32 F	47 F	73 F	80 F	93 F	744
Dry Bulb	1668660	30344	5.816	3.83	5606	305.9	729.1					744
Wet Bulb	1575980	28176	5.016	0.10	5596	310.8	737.8					744
Dew Point	1963125	-3165	-618.723		5596	376.3	743.3					744

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Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point
31/-31	1.2																															9	9	9	17
32/-33	.5																															4	4	4	19
34/-35	.3																															2	4	2	26
36/-37																																	2		20
38/-39																																			5
40/-41																																			6
44/-45																																			1
46/-47																																			1
52/-53																																			1
56/-57																																			1
TOTAL	73.525.4	1.1																														752	756	752	752

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						0 F	32 F	47 F	53 F	60 F	63 F	
Rel. Hum.	40777.7	54515	72.512.939	752								
Dry Bulb	205779	-2919	-3.916.051	756	49.4	82.9						84
Wet Bulb	194051	-3043	-4.015.556	752	50.3	83.3						84
Dew Point	303135	-7973	-10.617.061	752	64.6	84.0						84

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WET BULB TEMPERATURE DEPRESSION F																								TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52				
31/-31	.4																							3	3	3	24				
32/-33	.4																							3	3	3	27				
34/-35	.3																							2	4	2	26				
36/-37																									3		13				
38/-39																											4				
40/-41																											5				
42/-43																											1				
44/-45																											2				
46/-47																											1				
48/-49																											2				
50/-51																											1				
TOTAL	71.227.9	.9																							750	755	750				

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	4329625	54149	72.212	.665	750	1-3 F	4-32 F	4-37 F	4-43 F	4-49 F	4-55 F	84
Dry Bulb	209195	-2959	-3.916	.188	755	49.4	83.1					84
Wet Bulb	195680	-3056	-4.115	.641	750	51.5	83.2					84
Dew Point	306768	-7990	-10.717	.203	750	65.3	83.8					84

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Temp.		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL										
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	OB	WB	D	B	W-B	D-B	W-D	B-D		
47/	39			.1																													1		1							
38/	37			.1																													1		1							
36/	35			.1	.1																												2		2			1				
34/	33			.1																													7		7			3				
32/	31	.3	1.6																														14		14			10				
32/	29		.5																														4		4			10				
28/	27	.4	.9																														10		10			7				
26/	25	.2	1.5	.1																													14		14			12				
24/	23	1.1	.3																														10		10			18				
22/	21	.8	.4																														9		9			7				
20/	19	.4	1.2																														12		12			8				
18/	17		.8																														6		6			10				
16/	15	.3	1.3																														12		12			6				
14/	13	1.9	1.3	.1																													25		25			24				
12/	11	.3	2.1	.1																													19		19			11				
12/	9	.5	1.9																														18		18			27				
8/	7	.9	2.7																														27		27			26				
6/	5	1.9	3.3																														39		39			41				
4/	3	2.0	3.2																														39		39			38				
2/	1	3.1	2.8																														44		44			40				
0/	-1	2.7	.7																														25		25			33				
-2/	-3	2.8	.8																														27		27			29				
-4/	-5	2.1																															16		16			19				
-6/	-7	3.7																															28		28			28				
-8/	-9	3.2																															24		24			24				
-10/	-11	4.4																															33		33			33				
-12/	-13	7.0																															52		52			52				
-14/	-15	5.5																															41		41			41				
-16/	-17	4.4																																								

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Temp F	WET BULB TEMPERATURE DEPRESSION F																																	TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Pt.		
32/-33	1.2																																	8	8	8	20		
34/-35	.5																																3	3	3	10			
36/-37	.2																																1	1	1	6			
38/-39																																				6			
40/-41																																				4			
42/-43																																				1			
44/-45																																				1			
46/-47																																				2			
50/-51																																							
TOTAL	67.331.6	1.1																																646	646	646			
																																		646	646	646			

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs	Mean No. of Months with Temperature						Total
Ref. Hum.	3464770.	46746.	72.412.583.		646	+0 F	+32 F	+40 F	+48 F	+56 F	+64 F	
Dry Bulb	166089.	-1277.	-2.016.022.		646	46.6	82.6					84
Wet Bulb	161125.	-1547.	-2.415.623.		646	49.2	83.3					84
Dew Point	242280.	-5778.	-8.917.190.		646	61.9	83.9					84

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Temp.		WET BULB TEMPERATURE DEPRESSION F																															TOTAL				TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB WB Diff	Wet Bulb Dep F				
36/	37				.2																													1	1					
36/	35				.5																													3	3	1				
34/	33				.5																													5	5	3				
32/	31		.5	1.9																														14	14	7	6			
31/	29		1.7		.2																													11	11	22	11			
26/	27		.7	.5																														7	7	5	11			
26/	25			.9																														5	5	4	9			
24/	23			.2																														1	1	5	1			
22/	21		.2	.2																														2	2	2	7			
21/	19		1.6	.7																														13	13	9	5			
18/	17		.2	.5																														4	4	5	7			
16/	15		.2	.9																														6	6	6	2			
14/	13		1.4	.2																														9	9	11	3			
12/	11		.3	2.6																														17	17	3	9			
11/	9		1.4	2.9																														25	25	30	9			
11/	7		.3	3.4																														22	22	18	4			
6/	5		.9	4.1																														29	29	33	13			
4/	3		1.3	2.4																														20	20	26	11			
2/	1		3.3	4.3																														44	44	37	20			
2/	-1		4.8	.3																														30	30	37	27			
-2/	-3		2.9																															17	17	19	23			
-4/	-5		3.8																																					

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Temp		WET BULB TEMPERATURE DEPRESSION F																				TOTAL		TOTAL	
1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	DB WB	DB WB	Wet Bulb	Wet Bulb					
42/ 41		.0															1	1							
40/ 39		.0															2	2	1						
38/ 37		.1															5	5	3						
36/ 35		.4	.1														28	28	4	4					
34/ 33		.6	.1														41	41	32	4					
32/ 31	.2	1.5	.0														95	95	59	37					
30/ 29	.7	.4	.1														63	63	115	96					
28/ 27	.6	.9	.1														89	89	61	57					
26/ 25	.4	1.0	.0														77	77	78	65					
24/ 23	.5	.4	.0														50	50	87	31					
22/ 21	.8	.4	.0														68	68	65	76					
20/ 19	.7	1.1															97	97	77	96					
18/ 17	.3	.7															54	54	59	63					
16/ 15	.4	1.0	.1														80	80	67	53					
14/ 13	1.5	1.1	.0														147	147	125	56					
12/ 11	.5	2.1	.1														147	147	94	116					
10/ 9	.8	2.4	.1														181	181	198	63					
8/ 7	.8	2.7	.0														190	190	192	60					
6/ 5	1.1	3.1															230	230	265	80					
4/ 3	1.6	3.5															272	272	294	102					
2/ 1	2.9	4.3															393	393	323	228					
2/ -1	3.7	.4															226	226	314	220					
-2/ -3	2.5	.3															154	154	171	217					
-4/ -5	2.5	.2															142	142	144	313					
-6/ -7	3.5																188	188	192	308					
-8/ -9	4.4																240	240	240	228					
-10/-11	5.6																306	306	306	192					
-12/-13	4.4																240	240	240	136					
-14/-15	5.0																272	272	272	201					
-16/-17	4.3																231	231	231	278					
-18/-19	2.9																158	158	158	339					
-20/-21	3.9																211	211	211	266					
-22/-23	4.2																229	229	229	182					
-24/-25	4.3																232	232	232	189					
Energy X		ΣX^2		ΣX		\bar{X}		σ_X		No Obs		Mean Wet Bulb Temperature													
Re Hum												Wet Bulb													
Dry Bulb												Wet Bulb													
Wet Bulb												Wet Bulb													
Ice Point												Wet Bulb													

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Temp F	WET BULB TEMPERATURE DEPRESSION F.																										TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
-26/-27	2.1																											116	116	116	164
-25/-29	1.5																											63	63	63	209
-37/-31	.7																											36	36	36	156
-32/-33	.4																											24	24	24	192
-34/-35	.4																											20	33	20	149
-32/-37	.2																											2	11	2	84
-38/-39																															41
-40/-41																															23
-42/-43																															3
-44/-45																															4
-46/-47																															8
-48/-49																															3
-50/-51																															6
-52/-53																															2
-56/-57																															1
TOTAL	70.128.9	.9																										5420	5442	5420	5420

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		WET BULB TEMPERATURE DEPRESSION F.																								TOTAL		TOTAL	
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56
37/ 37		.1																								1	1		
36/ 35		.1																								1	1	1	
34/ 33		.5	.1																							5	5	1	1
32/ 31		1.6	.1																							14	14	7	4
31/ 29		.1	1.6	.1																						15	15	12	3
28/ 27		1.6	1.1																							22	22	33	5
26/ 25		.6	.5																							9	9	13	41
24/ 23		.3	.9																							9	9	4	7
22/ 21		.5	.5																							8	8	12	6
20/ 19		1.8	1.0																							27	27	21	9
18/ 17		.9	1.6																							20	20	22	20
16/ 15		.5	1.3																							14	14	15	10
14/ 13		1.6	1.3																							23	23	17	21
12/ 11		1.3	1.0																							20	20	22	25
10/ 9		1.0	3.5																							36	36	28	16
8/ 7		.9	1.9																							22	22	27	13
6/ 5		.9	.9																							14	14	25	12
4/ 3		1.3	2.5																							30	30	23	20
2/ 1		2.4	1.6																							32	32	31	35
0/ -1		3.1	.4																							28	28	33	26
-2/ -3		6.1	.6																							54	54	57	23
-4/ -5		6.8	.6																							59	59	56	23
-6/ -7		4.9																								39	39	42	29
-8/ -9		6.3																								50	50	50	48
-10/-11		5.3																								42	42	42	54
-12/-13		5.5																								44	44	44	23
-14/-15		5.4																								43	44	43	43
-16/-17		3.1																								25	27	25	36
-18/-19		2.6																								21	21	21	46
-20/-21		1.5																								12	12	12	37
-22/-23		2.1																								17	17	17	23
-24/-25		2.0																								16	17	16	20
-26/-27		1.4																								11	11	11	16
-28/-29		.6																								5	6	5	19
F																										5		6	
F																										5		6	

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

721170 TIN CITY AFS AK

73-81

MAR

PAGE 2 0000-0200

		WET BULB TEMPERATURE DEPRESSION F.																												TOTAL		TOTAL								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	D.P.	W.B.	D.P.	W.B.			
31/-31	.5																																					23		
32/-33	.4																																					8		
34/-35	.3																																					18		
36/-37	.1																																					10		
38/-39																																						7		
40/-41																																						8		
42/-43																																						4		
44/-45																																						5		
46/-47																																						1		
48/-49																																						3		
50/-51																																						2		
52/-57																																						2		
TOTAL	73.925.8	.4																																				800	910	800

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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T _{db} F	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL DB - WB	TOTAL WB - DP
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
36/ 37		.1																			1	1
36/ 35		.3	.4																		5	5
34/ 33		.3																			2	2
32/ 31	.4	.4	.1																		7	7
30/ 29		2.4	.1																		20	20
28/ 27	2.0	.8																			22	22
26/ 25	1.1	.3																			11	11
24/ 23		.1																			1	1
22/ 21	.6	.6																			10	10
20/ 19	1.6	1.5																			25	25
18/ 17	1.0	1.0																			16	16
16/ 15	1.0	1.6																			21	21
14/ 13	.9	1.5																			16	16
12/ 11	.6	1.0																			13	13
10/ 9	2.0	2.9																			39	39
8/ 7	.6	1.9																			20	20
6/ 5	1.3	2.4																			29	29
4/ 3	1.1	2.0																			25	25
2/ 1	1.8	1.6																			27	27
0/ -1	3.8	.3																			32	32
-2/ -3	5.0	.4																			51	51
-4/ -5	5.0	1.3																			50	50
-6/ -7	5.6																				45	45
-8/ -9	3.8																				30	30
-10/ -11	7.0																				56	56
-12/ -13	4.1																				33	33
-14/ -15	6.5																				52	52
-16/ -17	5.1																				41	41
-18/ -19	3.4																				27	27
-20/ -21	1.5																				12	12
-22/ -23	1.0																				8	8
-24/ -25	2.4																				19	19
-26/ -27	2.0																				16	16
-28/ -29	.6																				5	5
Ele. Alt.																					Σ X	
Re. Hum.																					Σ X	
Dry Bulb																					Σ X	
Wet Bulb																					Σ X	
Wet Point																					Σ X	

GLOBAL CLIMATOLOGY BRANCH
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Time	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Element	Z _h	Z _h	Z _h	Z _h	No. Obs	Wet Bulb Temperature									
Re. Hum	4412628.	54230.	72.814	736.	799	10 F	13 F	17 F	21 F	25 F	29 F	33 F	37 F	41 F	45 F
Dry Bulb	204614.	-1600.	-2.215	575.	815	57.4	92.1								93
Wet Bulb	181428.	-1348.	-1.714	978.	799	56.9	92.7								93
Dew Point	309483	-6739	-8.417	793	799	65.1	92.8								93

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PSYCHROMETRIC SUMMARY

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T _{DB}	T _{WB}	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	T _{DB}	T _{WB}	T _{DB}	T _{WB}
36/ 35		.5	.1																							5	5		
34/ 33			.1																							1	1	5	1
32/ 31	.2	1.0																								10	10	3	4
30/ 29	.1	1.6																								14	14	9	6
28/ 27	2.4	.4																								22	22	32	6
26/ 25	.7	.5																								10	10	13	27
24/ 23	.4	.2																								5	5	5	3
22/ 21	.9	.4																								10	10	8	11
20/ 19	2.0	1.7																								30	30	24	12
18/ 17	1.4	.6																								16	16	22	13
16/ 15	.4	2.1																								20	20	14	18
14/ 13	.5	1.1																								13	13	15	11
12/ 11	.7	2.3																								22	22	13	17
10/ 9	.7	2.4																								25	25	24	19
8/ 7	.2	2.2																								20	20	23	10
6/ 5	2.2	.7																								22	22	28	7
4/ 3	1.9	2.3																								31	31	31	23
2/ 1	2.4	3.2																								45	45	35	47
0/ -1	1.7	.4																								17	17	26	18
-2/ -3	6.3	.1																								49	49	52	26
-4/ -5	5.1	1.4																								52	52	43	25
-6/ -7	5.3																									40	40	49	29
-8/ -9	4.6																									37	37	37	54
-10/ -11	6.7																									54	54	54	36
-12/ -13	4.9																									39	39	39	16
-14/ -15	8.2																									66	67	66	33
-16/ -17	3.7																									30	32	30	36
-18/ -19	3.6																									29	32	29	62
-20/ -21	1.6																									13	13	13	37
-22/ -23	1.5																									12	12	12	37
-24/ -25	1.7																									14	14	14	26
-26/ -27	1.7																									14	14	14	21
-28/ -29	.5																									4	4	4	13
-30/ -31	.9																									7	7	7	19

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY,

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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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WET BULB TEMPERATURE DEPRESSION, F																											TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL	TOTAL
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52
21/-31	.3																							2	2	13
22/-33	.4																							3	5	17
34/-35	.4																							3	4	10
36/-37																										7
33/-39																										8
42/-41																										7
42/-43																										1
44/-45																										2
46/-47																										1
52/-51																										1
52/-53																										1
54/-55																										1
56/-57																										1
58/-59																										1
60/-61																										2
TOTAL	70.826	1.1	1.1																						797	797

Element	Σx	Σx^2	\bar{x}	s^2	No. Obs	Mean No. of Hours with Temperature				Σx
Air Max	43247.01	57415.	72.015	392.	797	51.8	91.7			93
Dry Bulb	17477.0	344.	414.952		800	52.2	92.4			93
Wet Bulb	16714.4	128.	214.489		797	62.5	93.0			93
Dew Point	28328.9	-5411	-6.817	599	797					

PSYCHROMETRIC SUMMARY:

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PSYCHROMETRIC SUMMARY

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WET BULB TEMPERATURE DEPRESSION F																	
<div> <div> TOTAL Wet Bulb Temp. </div> <div> TOTAL Wet Bulb Temp. </div> </div>																	
72/-33	.3													2	2	2	9
34/-35	.4													3	3	3	6
36/-37																	4
38/-39																	9
40/-41																	6
42/-49																	1
50/-51																	1
54/-55																	1
TOTAL	64.434.9	.7												699	735	699	649

Element	Σ x	Σ x²	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total
						32 F	32 F	32 F	32 F	32 F	
Rel. Hum.	37581.1	53205.	71.814	769.	699	50.1	92.1				93
Dry Bulb	149532.	918.	1.314	516.	735	50.0	93.0				93
Wet Bulb	1387.3	755.	1.114	359.	699	60.7	93.0				93
Dew Point	222631	-4099.	-5.916	868.	699						93

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY,

4 A E

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Temp	WET BULB TEMPERATURE DEPRESSION F																														TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL	TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DEW BULB	WET B
32/-33	.3																								2	7
34/-35	.4																								3	4
36/-37																									2	5
38/-39																										7
40/-41																										6
42/-43																										7
44/-45																										1
46/-47																										1
48/-49																										1
50/-51																										3
52/-53																										5
54/-55																										1
56/-57																										1
TOTAL	71.6	27.6	.8																						729	733
																									729	729

Element	X	Σx	Σx ²	Σx ³	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.		3957991	525.7	72.0	15.554	729	10 F	10 F	10 F	10 F	10 F	93
Dry Bulb		162081	-263	-414	.876	733	54.3	91.7				93
Wet Bulb		150303	-377	-584	.362	729	55.2	93.0				93
Dew Point		263877	-5505	-7.6	17.475	729	63.7	93.0				93

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T _{air}		WET BULB TEMPERATURE DEPRESSION F																												TOTAL		TOTAL					
F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	T _B	WB	D _w	B	Wet-B	D _w -B
71/-31	.5																															29	30	29	129		
72/-33	.3																															16	19	16	69		
34/-35	.3																															20	37	20	62		
36/-37	.1																															5	21	5	56		
37/-39																																			61		
41/-41																																			61		
42/-43																																			19		
44/-45																																			24		
46/-47																																			10		
48/-49																																			19		
51/-51																																			18		
52/-53																																			7		
54/-55																																			4		
56/-57																																			9		
58/-59																																			4		
61/-61																																			6		
TOTAL	71.527.8 .6																																6034	6102	6034		

Element (X)	Z _x	Z _y	X̄	%	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0°F	1-32°F	33-45°F	46-73°F	≥ 74°F		
Rd. Hum.	32822113.	435249.	72.115.376.		6034							
Dry Bulb	1389840.	-3640.	-615.081.		6102	433.7	736.3				744	
Wet Bulb	1275617.	-3753.	-614.528.		6034	436.5	741.4				744	
Dew Point	2212112.	-45742.	-7.617.584.		6034	509.9	743.5				744	

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Temp		WET BULB TEMPERATURE DEPRESSION F																				TOTAL		TOTAL	
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44		
4/	39			.1																	1	1			
38/	37			.1	.1																2	2			
36/	35			.4																	3	3	1		
34/	33	.1	1.0	.4																	12	12	5		
32/	31	2.5	2.9	.8																	49	49	35	25	
30/	29	1.0	1.5	.5																	24	24	30	14	
28/	27	.3	2.4	.1																	22	22	19	18	
26/	25	.8	1.9																		21	21	40	14	
24/	23	1.4	.9																		18	18	16	19	
22/	21	.6	.5	.1																	10	10	12	27	
20/	19	.4	3.0	.3																	29	29	15	27	
18/	17	1.3	2.1	.3																	29	29	26	14	
16/	15	.4	3.1	.1																	29	29	23	16	
14/	13	.5	4.9	.1																	44	44	29	19	
12/	11	.5	3.9	.1																	36	36	43	15	
10/	9	.6	2.8																		27	27	52	44	
8/	7	.9	3.8	.1																	38	38	24	33	
6/	5	1.4	2.9																		34	34	45	30	
4/	3	1.4	4.5																		47	47	46	37	
2/	1	2.4	4.2																		51	51	50	37	
0/	-1	7.9	.9																		70	70	74	37	
-2/	-3	5.8	1.6																		59	59	62	36	
-4/	-5	6.0																			48	48	52	62	
-6/	-7	4.2																			32	32	32	50	
-8/	-9	2.4																			19	19	19	58	
-10/	-11	1.8																			14	14	14	54	
-12/	-13	.5																			4	4	4	32	
-14/	-15	1.3																			10	10	10	36	
-16/	-17	.6																			5	5	5	16	
-18/	-19	1.0																			8	9	8	11	
-20/	-21	.4																			3	3	3	10	
-22/	-23																							5	
-24/	-25																							12	
-26/	-27																							5	
Extrapolated																									
Rel Hum																									
Dew Pt																									
Wet Bulb																									
Sea Point																									

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Time F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL DB WB DB WB DB WB	TOTAL DB WB DB WB DB WB
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
42/ 41																																	2	2	
38/ 37			.2	.2																												2	2		
36/ 35			.2	.2																												2	2		
34/ 33			.7	.7																												7	7		
32/ 31	3.3	5.7																														49	49		
32/ 29	2.0	1.7	.4																													22	22		
28/ 27	1.8	2.0	.2																													22	22		
26/ 25	.7	1.8																														14	14		
24/ 23	.6	.6	.4																													8	8		
22/ 21	.2	.9	.2																													7	7		
20/ 19	2.2	5.1																														40	40		
18/ 17		5.1	.2																													30	30		
16/ 15	.4	5.1	.2																													31	31		
14/ 13	.6	2.8																														18	18		
12/ 11	.4	4.4																														26	26		
10/ 9	1.3	6.4																														42	42		
8/ 7	1.5	4.6																														33	33		
6/ 5	2.2	6.3																														46	46		
4/ 3	.9	6.3																														39	39		
2/ 1	4.8	5.0																														53	53		
0/ -1	4.2																															23	23		
-2/ -3	3.1																															17	17		
-4/ -5	1.8																															10	10		
-6/ -7	.2																															1	1		
-8/ -9																																			
-10/ -11																																			
-12/ -13																																			
-14/ -15																																			
-16/ -17																																			
TOTAL	32.2	65.1	2.4	.4																												544	544		

Element (X)	Zx ²	Zx	X	%	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum.	3237585	41559	76.4	10.7	544	10 F	12 F	14 F	16 F	18 F	20 F	
Dry Bulb	163712	7292	13.4	1.0	544	8.4	87.8					90
Wet Bulb	148921	6827	12.5	1.0	544	9.6	89.0					90
Dew Point	115150	3948	7.3	1.2	544	32.9	89.7					90

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Total		WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
1		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																												DB WB DB WB		WB DB WB DB	
26/-27																																	
28/-29																																	
30/-31																																	
TOTAL	41454.2 4.1 .4																													5886	5886	5886	5886

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Temp F	WET BULB TEMPERATURE DEPRESSION F																										TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
44/ 43						.1																					1	1			
42/ 41			.1	.5																							6	6			
40/ 39			.5	1.2	.5																						18	18	1		
38/ 37	.1	.9	1.1	.6																							22	22	14		
36/ 35	1.0	2.2	.6																								31	31	35	11	
34/ 33		3.8	1.0																								39	39	32	19	
32/ 31	3.7	10.8	.7																								125	125	82	60	
30/ 29	1.9	6.6	.2																								72	72	98	78	
28/ 27	5.3	5.6	.7																								104	104	112	77	
26/ 25	2.6	6.2	.5																								76	76	94	111	
24/ 23	1.5	3.0																									37	37	47	52	
22/ 21	5.8	2.8																									71	71	78	61	
20/ 19	4.9	2.8																									63	63	59	83	
18/ 17	2.4	3.0																									45	45	42	63	
16/ 15	1.8	2.7																									37	37	45	57	
14/ 13	2.3	2.9																									43	43	40	30	
12/ 11	.4	.4																									6	6	15	47	
10/ 9	.1	1.1																									10	10	9	20	
8/ 7	.6	.6																									10	10	12	19	
6/ 5	.2	.4																									5	5	3	8	
4/ 3																													3	13	
2/ 1																														7	
0/ -1																														2	
-4/ -5																														3	
TOTAL	35.7	56.4	6.6	1.2	.1																							821	821	821	
																												821		821	

Element	X	ΣX	ΣX ²	ΣX ³	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.		60038.00	698.4	85.0	9.049	821	1.0 F	30 F	40 F	50 F	60 F	
Dir. Bulb		577879	20923	25.5	7.380	821						93
Wet Bulb		533810	20134	24.5	6.989	821						93
Temp. Point		428308	17658	21.5	7.692	821	.6	89.6				93

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Time	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL W.B. D.P.	TOTAL W.B. D.P.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
44/ 43				.2			.2																									4	4		
42/ 41				.4		.1																										4	4		
41/ 39			.4	1.3		.1																										15	15		
38/ 37		.1	1.6	1.0		.2																										24	24		
36/ 35		.6	1.9	.6																												26	26		
34/ 33		.1	3.7	2.2																												49	49		
32/ 31		2.9	9.2	.4																												104	104		
30/ 29		2.0	6.1	1.0																												76	76		
28/ 27		5.2	6.1	.4																												97	97		
26/ 25		3.2	6.6	.5																												86	86		
24/ 23		2.9	2.0	.2																												43	43		
22/ 21		3.0	2.9																													49	49		
20/ 19		7.0	2.5																													79	79		
18/ 17		3.0	3.5																													54	54		
16/ 15		1.9	2.2																													34	34		
14/ 13		2.2	3.0																													43	43		
12/ 11		1.4	1.2																													22	22		
10/ 9		.1	.5																													5	5		
8/ 7		.5	1.1																													13	13		
6/ 5		.2	.4																													5	5		
4/ 3			.2																													2	2		
2/ 1																																			
0/ -1																																		1	
-2/ -3																																			
-4/ -5																																			
-6/ -7																																			
-8/ -9																																			
TOTAL	36	355.0	7.9	.5	.2																												834	834	
																																	834	834	

Element	X	Zx	X	%	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.	6341622	70576	84.6	9.1	7	10 F	12 F	14 F	16 F	18 F	20 F	93
Dry Bulb	570897	20869	25.0	7.6	96							93
Wet Bulb	524838	24046	24.0	7.1	86							93
Dew Point	416576	17858	20.9	7.8	29	1.0						93

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Temp		WET BULB TEMPERATURE DEPRESSION F																										TOTAL		TOTAL		
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46/	45				.1	.2	.1																					4	4			
44/	43				.1	.2																						3	3			
42/	41			.1	1.0	.4																						12	12	1		
40/	39			.1	1.2	.1																						14	14	9		
38/	37	.1	1.7	1.3																								26	26	17	3	
36/	35	.2	1.9	1.7																								32	32	29	12	
34/	33	.1	5.2	1.1																								53	53	30	17	
32/	31	1.2	7.4	1.3																								89	89	79	52	
30/	29	4.6	6.1	1.6																								102	102	105	60	
28/	27	4.4	6.6																									92	92	108	100	
26/	25	3.3	5.9																									74	74	93	69	
24/	23	2.0	2.6	.1																								40	40	52	66	
22/	21	4.7	1.9																									55	55	53	69	
20/	19	5.4	3.0																									70	70	67	91	
18/	17	2.8	3.5																									52	52	46	61	
16/	15	1.2	2.6																									32	32	42	52	
14/	13	2.9	2.2																									42	42	42	34	
12/	11	.6	1.6																									18	18	16	48	
10/	9	.1	.6																									6	6	12	24	
8/	7	.1	1.0																									9	9	9	19	
6/	5	.5	.4																									7	7	7	4	
4/	3		.2																									2	2	5	15	
2/	1																														6	
0/	-1																														7	
-4/	-5																														5	
TOTAL		34.7	54.8	9.5	1.0	.1																								834	834	834

Element (X)	Σx^2	Σx	\bar{x}	s^2	No Obs	Mean No. of Hours with Temperature				
Wet Bulb	5930228	69892	83.8	9.364	834	0 F	10 F	20 F	30 F	93
Dry Bulb	593951	21279	25.5	7.827	834					93
Wet Bulb	542573	23383	24.4	7.302	834					93
Dew Point	425341	17649	21.2	7.890	834	1.3	89.4			93

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		WET BULB TEMPERATURE DEPRESSION F.																				TOTAL		TOTAL													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB
46/	45				.1	.4																	4		4												
44/	43				.7	.2	.1																9		9												
42/	41		.8	1.1	.7																		22		22												
40/	39		1.1	.7	.1																		16		16												
38/	37		1.3	2.3																			30		30												
36/	35	.4	2.6	1.9	.2																		43		43												
34/	33	.7	5.7	1.9	.5																		74		74												
32/	31	2.4	9.7	1.9																			117		117												
30/	29	3.3	6.9	.4																			89		89												
28/	27	2.2	5.9	.1																			68		68												
26/	25	3.0	5.5	.5																			75		75												
24/	23	2.3	2.5																				40		40												
22/	21	3.8	2.5	.1																			54		54												
20/	19	3.9	3.2																				60		60												
18/	17	1.9	3.8																				48		48												
16/	15	1.6	2.5																				34		34												
14/	13	1.3	1.8																				23		23												
12/	11	.5	.5																				8		8												
10/	9		1.3																				11		11												
8/	7		1.1																				9		9												
6/	5																																				
4/	3		.2																				2		2												
2/	1																																				
L/	-1																																				
-2/	-3																																				
-4/	-5																																				
TOTAL		26.959	111.7	2.2	.1																																
																							836		836												

Element (X)	Σx	Σx^2	\bar{x}	σ_x	No. Obs	Mean No. of Hours with Temperature				Total
Rel Hum	5791013	69095	82.6	9.809	836	10 F	11 F	12 F	13 F	93
Dry Bulb	658970	22542	27.3	7.826	836					93
Wet Bulb	596202	21484	25.7	7.267	836					93
Dew Point	467071	18597	22.2	7.995	836	.6				93

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL			
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB	DB WB	Wet Bulb	Cool Point
42/	41				.3																													2	2		
42/	39			.1	1.8	.4																												17	17		
38/	37			2.3	1.5	.1																												29	29	10	
36/	35		.7	2.5	.6																													27	27	41	5
34/	33		1.1	8.3	.4																													71	71	38	22
32/	31		2.9	10.3	1.2																													105	105	98	90
30/	29		3.6	6.2	.6																													75	75	95	77
28/	27		5.8	5.2	.4																													83	83	94	81
26/	25		2.8	6.2	.3																													67	67	78	76
24/	23		2.3	4.7																														54	54	66	47
22/	21		4.1	1.9	.1																													45	45	50	63
20/	19		3.6	3.3																														50	50	39	68
18/	17		2.3	2.2																														33	33	42	49
16/	15		2.8	1.9																														34	34	37	39
14/	13		.7	1.7																														17	17	22	32
12/	11		.1	.4																														4	4	4	38
10/	9		.3	1.0																														9	9	10	12
8/	7		.4	.1																														4	4	6	10
6/	5																																				6
4/	3																																				9
2/	1																																				2
TOTAL		33.9	58.4	7.2	.6																													726	726	726	726

Element	X	Zx	X	%	No. Obs	Mean No. of Hours with Temperature					Total
Re. Hum	5343950	61978	85.4	8.545	726	0 F	32 F	67 F	73 F	86 F	93 F
Dry Bulb	550746	19366	26.7	6.864	726		74.3				93
Wet Bulb	508900	18638	25.7	6.478	726		81.6				93
Cool Point	414166	16540	22.8	7.177	726		89.5				93

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Temp °F	WET BULB TEMPERATURE DEPRESSION °F																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB W.B.	D.B.	Wet Bulb - Dew Point
54/ 53					.4	.1																												4	4		
52/ 51			.1	.1	.1																													3	3		
50/ 49			.1	.1	.3																													4	4		5
48/ 47			.3	1.1	.4	.1																												15	15		2
46/ 45			2.0	1.0	.6																													29	29		4
44/ 43		.4	1.8	2.4	.6																													41	41		36
42/ 41		.4	4.2	.9	.3																													45	45		36
40/ 39		2.0	7.7	1.5																														88	88		93
38/ 37		3.1	5.2	1.1	.1																													75	75		98
36/ 35		5.6	6.3	.9																														100	100		94
34/ 33		9.3	7.2	.8																														135	135		141
32/ 31		11.5	6.9																															144	144		146
30/ 29		3.8	.9																															37	37		71
28/ 27		4.0	1.5																															43	43		38
26/ 25		.8	1.3																															16	16		25
24/ 23		.1	.4																															4	4		2
22/ 21																																					2
20/ 19																																					3
18/ 17																																					3
TOTAL	41.0	45.8	10.5	2.6	.1																													783	783		783

Element	Σx'	Σx	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
						50°F	53°F	56°F	59°F	62°F	
Rd. Max.	6421797.	70533.	90.1	9.471.	783						
Dry Bulb	1019669.	27937.	35.7	5.411.	783		28.0				90
Wet Bulb	954030.	27082.	34.6	4.708.	783		32.6				90
Dew Point	664517.	25773.	32.9	4.650.	783		43.3				90

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Time		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Wet Bulb Dew Point	
62/	61													.1	.1																2	2			
61/	59							.1						.1																	2	2			
58/	57														.5	.3															6	6			
56/	55					.1	.1	.5	.3																						8	8			
54/	53				.6	.6	.5																								14	14			
52/	51		.1	1.4	.5	.1																									17	17			
51/	49		.8	1.8	.5	.6																									29	29	17	1	
48/	47		1.5	2.3	1.4																										41	41	33	7	
46/	45	.3	.8	2.3	.5																										30	30	37	25	
44/	43	.6	2.4	2.5	.6																										49	49	43	28	
42/	41	1.4	5.8	2.1																											74	74	64	40	
40/	39	2.5	8.0	1.8																											97	97	170	72	
38/	37	3.2	6.6	.8																											83	83	99	106	
36/	35	4.8	7.3	.9																											103	103	110	106	
34/	33	7.2	5.1	.1																											98	98	116	156	
32/	31	7.8	5.4	.3																											107	107	126	135	
30/	29	.8	2.1																												23	23	40	47	
28/	27	.3	.6																												7	7	15	33	
26/	25	.3																													2	2	6	27	
24/	23																																		7
22/	21																																		6
20/	19																																		1
TOTAL		29.8	46.7	16.9	4.4	2.3	.8	.1																							792	792	792	792	

Element	X	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.		6012181	68391	86.4	11.6	792	10 F	32 F	47 F	72 F	81 F	92 F	
Dry Bulb		1231008	30786	38.9	6.5	792		15.8					90
Wet Bulb		1116762	29834	37.2	5.3	792		19.0					90
Dew Point		981046	27612	34.9	4.9	792		28.5					90

PSYCHROMETRIC SUMMARY

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Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs	Mean No. of Hours with Temperature						
						$\leq 0^\circ\text{F}$	-32°F	-40°F	-50°F	-60°F	-90°F	Total
Rel. Hum.	5861183	67059	85.8	11.903	782							
Dry Bulb	1264194	31022	39.7	6.554	782		10.4					90
Wet Bulb	1140930	29586	37.8	5.257	782		13.4					90
Dew Point	1001352	27728	35.5	4.828	782		22.6					90

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL									
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TB WB	Dry B	Wet B	Temp
62	61					.2	.2																			2		2									
60	59						.2																			1		1									
58	57				.2																					1		1									
56	55					.4		.2																		3		3							1		
54	53			.2	.8																					5		5							3		
52	51		1.0	.6																						8		8							1		
50	49	1.0	1.4	1.0	.2																					18		18							1		
48	47	1.0	1.6	1.6																						21		21			20				1		
46	45	3.3	2.7	1.2																						37		37			13				10		
44	43	.8	6.3	1.8	.6																					48		48			41				23		
42	41	2.5	5.7	2.7	.6																					59		59			70				33		
40	39	3.5	9.0	1.8																						73		73			62				66		
38	37	3.9	7.2	1.4																						64		64			91				82		
36	35	3.7	4.5																							42		42			59				59		
34	33	5.1	6.1																							57		57			56				68		
32	31	4.5	2.9																							38		38			48				86		
30	29	2.7	2.7																							28		28			32				33		
28	27	1.0	.2																							6		6			11				18		
26	25																																			10	
TOTAL		27.8	49.2	14.7	6.8	.6	.2																				511		511			511				511	

Element	X	Z _x	X	X	No. Obs	Mean No. of Hours with Temperature						Total
Re. Hum	3901737.	44317.	86.810	556.	511	0 F	32 F	57 F	73 F	80 F	93 F	
Dry Bulb	6065711.	20059.	39.3	6.130	511		12.7					90
Wet Bulb	7136774.	19228.	37.6	5.099	511		16.7					90
Dew Point	652465.	18105.	35.4	4.643	511		25.9					90

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Time		WET BULB TEMPERATURE DEPRESSION F.																														TOTAL		TOTAL				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB	DB	WB	
61/	59								.2																								1	1				
56/	57								.2																								1	1				
56/	55								.2																								1	1				
52/	51		.2	.3	.3																							5	5			2						
50/	49		.2	1.0	1.0																							13	13			2						
48/	47			1.1	.5																							10	10			4					1	
46/	45		2.5	1.6	1.1																							32	32			11					4	
44/	43		.2	5.4	1.8																							45	45			34					10	
42/	41		.3	5.2	3.6	.2																						57	57			60					25	
40/	39		3.4	6.6	1.8																							72	72			61					69	
38/	37		3.8	8.0	.7																							76	76			93					74	
36/	35		4.8	6.4	.8																							73	73			87					72	
34/	33		8.2	4.9	.7																							84	84			92					112	
32/	31		8.9	4.6	.2																							83	83			91					132	
30/	29		3.9	1.1																								31	31			42					94	
28/	27		2.6	1.5																								25	25			28					28	
26/	25																															2					23	
24/	23		.2																									1	1								4	
22/	21																																				1	
20/	19																																				1	
18/	17																																				1	
TOTAL		36	146	71	3.6	3.3	.3																										610	610			610	

Element (X)	Z _X	Z _Y	X	Y	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	4867934	54166	88.8	9.773	610	10 F	10 F	10 F	10 F	10 F	10 F	
Dry Bulb	860961	22663	37.2	5.582	610							20.7
Wet Bulb	797658	21868	35.8	4.744	610							24.2
Dew Point	716701	20733	34.0	4.442	610							35.9

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL		TOTAL			
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB	DW B	W-B
66/	65																																	1	1	
64/	63																																	4	4	
62/	61																																	6	6	
60/	59																																	7	7	
58/	57																																	20	20	
56/	55																																	31	31	1
54/	53																																	52	52	14
52/	51																																	73	73	14
50/	49																																	148	148	60
48/	47																																	179	179	112
46/	45																																	265	265	182
44/	43																																	421	421	308
42/	41																																	500	500	499
40/	39																																	626	626	655
38/	37																																	631	631	733
36/	35																																	715	715	770
34/	33																																	778	778	891
32/	31																																	764	764	761
30/	29																																	232	232	403
28/	27																																	163	163	171
26/	25																																	33	33	73
24/	23																																	10	10	6
22/	21																																			6
20/	19																																			
18/	17																																			
TOTAL		32	947	314	44	3	9	1	1																									5659	5659	5659

Element (X)	Zx'	Zx	X	%	No. Obs	Mean No. of Hours with Temperature				Total
Rel. Hum.	44281210	496892	87.810	729	5659	10 F	10 F	10 F	10 F	720
Dry Bulb	8292825	213771	37.8	6201	5659	152.9				720
Wet Bulb	7611623	205471	36.3	5170	5659	180.7				720
Dew Point	6775038	193914	34.3	4799	5659	263.5				720

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TB	WB	D.B.	Wet-Bulb	Wet-Bulb
64/ 63									.4																								3	3		
66/ 59					.1																												1	1		
56/ 57			.1	.4			.6	.3																									11	11		2
56/ 55			1.3	.3	.4	.3																											17	17		4
54/ 53			1.9	1.0	.5																												27	27	25	6
52/ 51		.5	2.2	1.7	.4																												37	37	24	26
57/ 49	1.5	3.3	1.0	.4																													49	49	44	25
46/ 47	2.6	5.6	1.8																														78	78	72	57
46/ 45	3.4	8.4	2.7																														114	114	98	66
44/ 43	4.8	8.4	.5																														108	108	115	105
42/ 41	7.3	6.9	.6																														114	114	149	128
42/ 39	6.5	3.8	1.0																														89	89	92	135
36/ 37	5.7	4.2																															78	78	81	80
26/ 35	2.2	1.3																															26	26	44	56
34/ 33	1.8	1.9																															29	29	26	43
22/ 31		.4																															3	3	11	20
32/ 29																																				13
TOTAL	36.0	49.7	11.1	2.3	.9																												784	784	784	

Element X	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature										Total																		
Rel Hum	6585836.	71516.	91.2	8.912	784																													
Dry Bulb	1527496.	34332.	43.8	5.544	784																													
Wet Bulb	1440495.	33361.	42.6	4.953	784																													
Dew Point	1356591	32327	41.3	4.991	784																													

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Temp	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	WB DB	DB WB	WB DB	WB DB														
66/ 65			.1		.2												3	3																
64/ 63			.4		.1												4	4																
62/ 61		.1	.5	.4	.2	.1											11	11																
60/ 59		.1	.5	.5	.1												10	10	3															
58/ 57			.7	.5	.1												11	11	6	1														
56/ 55		1.2	.9	.9	.2												26	26	10	4														
54/ 53	.2	1.6	1.7	1.1	.1												39	39	33	17														
52/ 51		1.9	1.2	.4	.1												29	29	26	23														
50/ 49	.2	2.9	1.1	.5													36	36	43	30														
48/ 47	1.2	7.8	1.7														67	87	63	53														
46/ 45	7.3	12.3	1.9	.1													141	141	123	90														
44/ 43	4.1	8.7	1.9														118	118	146	146														
42/ 41	6.7	4.5	.7														96	96	128	141														
40/ 39	5.7	3.0	1.1	.1													88	88	96	110														
38/ 37	3.8	2.4	.2														52	52	55	69														
36/ 35	2.2	1.6	.1														32	32	41	46														
34/ 33	.9	1.2															17	17	22	23														
32/ 31	.5																4	4	10	29														
30/ 29																				6														
28/ 27																				1														
TOTAL	29.9	49.3	14.4	5.0	1.0	.5											806	806	806	806														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6546061.	72179.	89.610	.110.	806	100 F.	90 F.	80 F.	70 F.	60 F.	50 F.	93
Dry Bulb	1656618.	36206.	44.9	6.127.	806							93
Wet Bulb	1540261.	34985.	43.4	5.186.	806							93
Dew Point	1433625.	33753.	41.9	5.002.	806							93

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
71/ 69					.1									.4												4	4		
68/ 67					.4	.4	.3	.5																		12	12		
66/ 65				.1	.9	.3	.1	.4																		14	14		
64/ 63		.1	.1	.5	.4	.8	.5																			19	19	1	
62/ 61			.3	.3	.5	.1																				9	9	7	
60/ 59		.3	.8	.6	.6	.4																				21	21	15	
58/ 57		.1	.6	1.5	.3																					20	20	14	
56/ 55	.1	1.9	1.9	1.9	.4																					49	49	23	
54/ 53	.1	2.4	1.9	.9																						42	42	39	
52/ 51	.1	2.4	2.8	1.0	.1																					51	51	60	
50/ 49	.5	3.0	3.0	.1																						53	53	56	
48/ 47	2.7	7.8	2.7	.1																						105	105	86	
46/ 45	2.4	9.2	3.2																							117	117	130	
44/ 43	4.3	7.7	1.5																							107	107	119	
42/ 41	3.8	4.9	1.1																							78	78	113	
40/ 39	4.8	2.5	.6																							63	63	85	
38/ 37	1.3	.5																								14	14	30	
36/ 35	.8	.6																								11	11	11	
34/ 33		.1																								1	1	4	
32/ 31																												5	
TOTAL	20.9	43.8	20.6	8.4	2.9	1.6	1.8																				790	790	790

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5891926	67474	85.4	12.785	790	40 F	40 F	40 F	40 F	40 F	40 F	93
Dry Bulb	1869421	38011	48.1	7.166	790							93
Wet Bulb	1680701	36179	45.8	5.497	790							93
Dew Point	1521748	34450	43.6	4.967	790							93

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WET BULB TEMPERATURE DEPRESSION F																															TOTAL				TOTAL							
																															DB	WB	DW	B	Wet Bulb				Sea P			
71/	69								.2																			1		1												
64/	67						.3	.5	.3																		7		7													
66/	65		.2				.8	.3		.2																	9		9													
67/	63						.3	.8	1.0																		13	13		1												
62/	61						.2	.3		.3																	5		5													
50/	59		.5	.2	1.3		.3	.5																			17	17		9												
58/	57		.7	1.0	.5		.2																				14	14		9												
56/	55		1.7	1.8	2.3																						35	35		19												
54/	53		1.8	1.8	.8																						27	27		29												
52/	51		.2	3.6	3.0		.2	.2																			43	43		37												
50/	49		.8	3.8	3.3		.8																				53	53		52												
45/	47		2.3	7.8	1.8		.2																				73	73		76												
46/	45		1.8	8.3	2.3																						75	75		75												
44/	43		4.3	8.8	1.5		.2																				89	89		98												
42/	41		5.0	6.1	1.5																						76	76		97												
40/	39		3.6	3.5																							43	43		57												
38/	37		.8	1.3																							13	13		28												
36/	35		1.0	.2																							7	7		9												
34/	33		.3	.2																							3	3		3												
32/	31		.2																								1	1		1												
TOTAL		20.448	319.2	7.9	2.8	1.8	.5																				604		604													

Element (X)	Zx	Zy	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4597672	52186	86.4	12.133	604	0 F	32 F	52 F	73 F	82 F	93 F	
Dry Bulb	1400822	28790	47.7	6.879	604		.2	1.2				93
Wet Bulb	1270579	27507	45.5	5.444	604		.2					93
Dew Point	1159270	26288	43.5	5.010	604		.9					93

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WET BULB TEMPERATURE DEPRESSION - F																														TOTAL			TO AL		
Temp F.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	D.B. WB	Dry Bulb	Wet Bulb	Dew Point	
71 / 69							.2																								1	1			
68 / 67							.4																								2	2			
66 / 65								.2																							1	1			
64 / 63						.6	.2																								4	4			
62 / 61				.6	.4	.2																									6	6		1	
60 / 59			.6	.6	.8	.2	.2																								12	12		6	
58 / 57			.2	.6	.6	.2	.2	.2																							10	10		9	
56 / 55		1.7	1.9	1.9																												26	26		6
54 / 53		1.3	3.1	1.3																												27	27		13
52 / 51	.4	1.5	.8																													13	13		28
50 / 49	1.0	4.6	4.0	.2																												47	47		32
48 / 47	3.3	9.2	1.5																													67	67		51
46 / 45	.8	9.2	1.7																													56	56		83
44 / 43	2.9	9.6	2.1																													70	70		62
42 / 41	5.0	9.0	1.7																													75	75		87
40 / 39	4.0	4.0	.6																													41	41		51
38 / 37	1.5	.6																														10	10		30
36 / 35	.6	.4																														5	5		7
34 / 33	.8	.2																														5	5		5
32 / 31	.2																															1	1		1
TOTAL	20.752	019.2	5.8	1.5	.6	.2																										479		479	479

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1741599	42035	87.810	5.09	479	< 0 F	< 30 F	< 50 F	< 70 F	< 80 F	< 90 F	
Dry Bulb	1058716	22320	46.6	6.250	479		.2	.6				93
Wet Bulb	974260	21458	44.8	5.214	479		.2					93
Dew Point	897354	20592	43.0	5.034	479		1.6					93

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ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL W.B. D. B.	TOTAL W.B. D. B.
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
77/ 69						.0	.1	.0	.1																								9	9	
68/ 67						.1	.2	.1	.1																								26	26	
66/ 65			.0	.0	.4	.1	.1	.1																									39	39	
64/ 63			.0	.0	.3	.3	.3	.1																									59	59	
62/ 61			.0	.3	.3	.2	.1	.0																									47	47	
60/ 59			.2	.4	.5	.2	.2																										84	84	
58/ 57			.2	.6	.7	.2	.0	.0																									104	104	
56/ 55	.0	1.6	1.4	1.2	.2																												250	250	
54/ 53	.1	1.7	1.6	1.0	.1																												249	249	
52/ 51	.2	2.3	2.0	.4	.1																												284	284	
50/ 49	.7	3.5	2.4	.4																													400	400	
48/ 47	2.2	7.6	1.9	.1																													667	667	
46/ 45	2.5	9.1	2.5	.1																													806	806	
44/ 43	4.1	9.1	1.2	.0																													820	820	
42/ 41	5.7	6.0	1.0																														724	724	
40/ 39	5.5	3.4	.8	.0																													546	546	
38/ 37	3.1	2.0	.1																														293	293	
36/ 35	1.5	1.2	.0																														156	156	
34/ 33	.9	1.1																															113	113	
32/ 31	.2	.1																															17	17	
30/ 29																																			
28/ 27																																			
TOTAL	26.7	49.0	16.2	5.5	1.5	.8	.4																										5693	5693	
																																		5693	5693

Element (X)	Zx'	Zx	X	Px	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum	45284346	504002	88.5	10.809	5693	10 F	32 F	47 F	73 F	80 F	93 F	
Dry Bulb	12177951	260673	45.8	6.523	5693		2.2	4.6				744
Wet Bulb	11228576	250968	44.1	5.364	5693		6.7					744
Dew Point	10377930	241334	42.4	5.090	5693		21.7					744

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WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL		
F																																	WB	Dry Bulb	Wet Bulb	Dew Point	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
60/ 59			.2	.5																														6	6		
58/ 57			.4	.1	.1																												5	5	2		
56/ 55		.4	1.2	1.1																													22	22	13	7	
54/ 53	1.0	3.9	1.4																														51	51	22	18	
52/ 51	1.4	3.7	1.2																														51	51	64	41	
50/ 49	2.8	7.4	1.2	.1																													94	94	73	68	
48/ 47	4.2	11.3	.5																														130	130	176	102	
46/ 45	6.5	8.5	1.8																														137	137	150	141	
44/ 43	4.7	7.4	1.2																														108	108	128	107	
42/ 41	2.2	7.3	.9																														84	84	103	74	
40/ 39	1.1	4.8	1.1																														57	57	71	87	
38/ 37	.6	3.2																															31	31	33	60	
36/ 35	.7	2.5																															26	26	43	43	
34/ 33	.1	.7	.2																														9	9	18	30	
32/ 31																																			3	30	
28/ 27																																			3	3	
TOTAL	25.862	6.113	.2																															811	811	811	811

Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6733644	73656	90.8	7.380	811	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	1719811	37123	45.8	5.034	811							93
Wet Bulb	1628222	36112	44.5	4.998	811							93
Dew Point	1540121	35061	43.2	5.485	811							93

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB WB		TOTAL Wet Bulb Dew Pt	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
60/ 59					.1	.1																												2	2
58/ 57				.5	.6	.2																											11	11	
56/ 55		.1	1.1		.5	.5																											18	18	
54/ 53		.9	3.4	1.2																													45	45	
52/ 51	1.2	3.8	1.3																														52	52	
50/ 49	3.1	7.1	.6																														88	88	
48/ 47	3.7	9.4	1.2																														117	117	
46/ 45	8.1	11.1	1.8																														163	163	
44/ 43	4.0	6.1	.7																														89	89	
42/ 41	3.9	6.7	.9																														94	94	
40/ 39	1.0	5.4	1.5																														64	64	
38/ 37	.7	2.3																															25	25	
36/ 35	1.0	3.1	.2																														35	35	
34/ 33	.2	1.2																															12	12	
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
TOTAL	28.0	60.4	10.8	.9																													815	815	

Element (X)	Z _x	Z _y	X̄	Ȳ	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.	6817887	74301	91.2	7.360	815	10 F	12 F	14 F	16 F	18 F	20 F	
Dry Bulb	1705951	37057	45.5	5.081	815							93
Wet Bulb	1616363	36067	44.3	4.988	815							93
Dew Point	1532235	35063	43.0	5.402	815							93

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL		TOTAL	
F		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62	
62/ 61				.4	.1																									4	4			
60/ 59			.1	.1	.4	.1																							6	6	1			
58/ 57	.1	.4	1.5	.5	.2																								22	22	4	1		
56/ 55	.1	.7	1.1	.4	.1																								20	20	11	8		
54/ 53	.2	5.4	1.0	.2																									56	56	39	13		
52/ 51	1.5	4.2	.6	.1																									52	52	65	57		
50/ 49	3.1	7.5	1.2	.5																									100	100	75	74		
48/ 47	5.0	8.7	1.3																										123	123	116	109		
46/ 45	5.9	8.6	1.8																										133	133	140	122		
44/ 43	3.8	8.3	1.2																										109	109	109	102		
42/ 41	2.3	6.4	.4																										74	74	100	98		
40/ 39	1.5	4.7	.7																										56	56	56	64		
38/ 37	1.5	2.4	.5																										36	36	52	52		
36/ 35	.7	2.1																											23	23	34	46		
34/ 33	.2	.1																											3	3	13	35		
32/ 31																																	44	
30/ 29																																	2	
TOTAL	25.9	59.5	11.9	2.2	.5																								817	817	617	817		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs	Mean No. of Hours with Temp. more						Total
Rel. Hum.	6731292	73846	90.4	8.328	817	10 F	12 F	14 F	16 F	18 F	20 F	
Dry Bulb	1773394	37814	46.3	5.334	817							93
Wet Bulb	1670782	36716	44.9	5.044	817							93
Dew Point	1574747	35599	43.6	5.378	817				1.8			93

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Type		WET BULB TEMPERATURE DEPRESSION F																														TOTAL		TOTAL				
F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	D	B	Wet B	Dew P	
65/	65																																1	1				
64/	63					.2			.1		.1																					4	4					
62/	61					.1		.1																								2	2					
62/	59	.1	.2	1.1	.4			.4		.1																						19	19		4		1	
58/	57	.1	1.3	1.7	1.1					.1																						36	36		7		6	
55/	55	.1	2.8	1.2	.9			.1																								42	42		28		7	
54/	53	.6	5.3	2.8	.2																											73	73		64		39	
52/	51	1.1	5.9	1.1				.1																								67	67		70		61	
50/	49	2.2	7.7	2.2	.1																											100	100		101		73	
48/	47	5.6	6.9	1.7	.2																											118	118		111		143	
46/	45	4.9	8.8	1.2																												122	122		128		114	
44/	43	4.8	6.7	1.2	.1																											105	105		112		114	
42/	41	1.1	3.3	1.6																												49	49		79		57	
40/	39	1.0	3.7	1.2																												48	48		42		77	
38/	37	.7	1.6	.2																												21	21		47		34	
36/	35	.2	.7																													8	8		19		45	
34/	33	.1																														1	1		4		30	
32/	31																																				10	
TOTAL		22.355	0.017	8	3.2	.6	.5	.1																										816	816		916	
																																816		816				

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					
Re. Hum.	45213339.	72535.	88.9	9.633	816	10 F	10 F	10 F	10 F	10 F	
Dry Bulb	1691616.	39026.	47.8	5.556	816						
Wet Bulb	1761861.	37687.	46.2	5.110	816						
Dew Point	1647633.	76393.	44.6	5.486	816						

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Temp. F	WET BULB TEMPERATURE DEPRESSION F																								TOTAL DB * B	TOTAL DB * B	TOTAL DB * B	TOTAL DB * B														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
66/ 65						.2																			1	1																
64/ 63						.2	.2																		2	2																
62/ 61					.3	.2																			3	3																
57/ 52			.3	2.2		.2				.3	.3														21	21	2															
57/ 57			1.6	2.0		.5																			26	26	7	1														
50/ 55		.5	1.3	.6		.3																			30	30	30	17														
54/ 53		.6	5.4	2.0																					52	52	34	35														
52/ 51		1.1	6.2	2.6																					64	64	64	45														
57/ 49		1.2	8.2	.9	.6																				71	71	62	67														
48/ 47		5.1	9.6	2.2	.5																				112	112	109	95														
46/ 45		2.6	13.1	2.5	.2																				99	99	89	97														
44/ 43		3.1	6.2	2.0																					73	73	93	77														
42/ 41		1.4	4.0	2.3																					50	50	60	59														
41/ 39		.3	2.8	.8																					25	25	45	54														
37/ 37		.3	.8	.5																					10	10	30	38														
36/ 35		.3	.5																						5	5	11	44														
34/ 33																																										
32/ 31																																										
30/ 29																																										
TOTAL	16.6	59.3	21.0	2.6	.5	.3																				644	644	644														

Element	X ₁	X ₂	X ₃	X ₄	No. Obs.	Mean	Std. Dev.	Max.	Min.	Total
Rel. Hum.	5045645	56715	88.1	8.901	644					
Dry Bulb	1511325	31007	48.1	5.352	644					93
Wet Bulb	1402899	29881	46.4	5.058	644					93
Dew Point	1306929	28793	44.7	5.522	644					93

TIN CITY AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83

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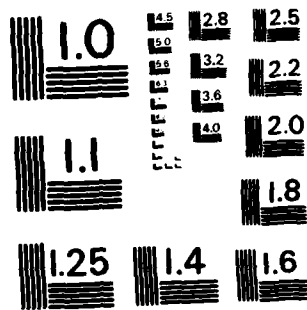
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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL DB WB Dry B			TOTAL Wet Bulb Dry P		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
60/ 59			.2	1.1		.2		.4																									10	10					
58/ 57			1.1	1.8		.5																											19	19	4	1			
56/ 55			2.8	1.2		.4	.2																										26	26	12	3			
54/ 53	1.1	4.1		.5	.4																												34	34	41	25			
52/ 51	.4	8.9		.5	.2																												56	56	37	33			
50/ 49	1.8	9.1	1.1																														67	67	74	61			
48/ 47	4.4	10.5	.9	.2																													90	90	90	98			
46/ 45	3.0	7.1	2.0																														68	68	72	71			
44/ 43	2.3	9.1	2.5																														78	78	57	51			
42/ 41	2.0	4.8	2.7																														53	53	68	58			
40/ 39	.2	3.9	.7																														27	27	43	40			
38/ 37	.5	2.1	1.1																														21	21	36	43			
36/ 35	.5	1.6																															12	12	24	41			
34/ 33		.2																															1	1	4	25			
32/ 31		.2																															1	1	1	10			
30/ 29																																				3			
TOTAL	16.2	55.5	16.0	1.8	.5																												563	563	563	563			

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel Hum.	4474820	49994	88.8	7.935	563	50 F	52 F	54 F	56 F	58 F	93
Dry Bulb	1259163	26451	47.0	5.408	563						93
Wet Bulb	1176326	25564	45.4	5.260	563						93
Dew Point	1099640	24670	43.8	5.757	563						93

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Temp F	WET BULB TEMPERATURE DEPRESSION F																																	TOTAL DB WB	TOTAL Dew Pt	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
62/ 61						.1																											1	1		
60/ 59					.1																												1	1		
58/ 57			.4	.1																													4	4		
56/ 55			2.6	1.2		.1																											27	27	7	1
54/ 53	1.0	4.2	1.0																														43	43	35	27
52/ 51	1.3	5.6	1.2																														56	56	51	37
50/ 49	2.3	8.6	1.0	.1																													84	84	72	66
48/ 47	3.2	13.4	1.0	.1																													123	123	101	96
46/ 45	4.3	7.2	2.0		.1																												95	95	116	107
44/ 43	3.9	7.8	.4																														84	84	74	78
42/ 41	2.4	6.9	1.3																														74	74	95	65
40/ 39	1.2	4.2	1.2																														45	45	55	73
38/ 37	.7	3.2	.3																														29	29	38	51
36/ 35	.6	3.0																															25	25	33	35
34/ 33																																			14	35
32/ 31		.4																															3	3	3	19
30/ 29																																				3
28/ 27																																				1
TOTAL	20.9	67.6	10.8	.6	.1																												694	694	694	694

Element (X)	Z _x	Z _y	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum	5723336	62820	90.5	7.302	698	10 F	13 F	16 F	23 F	25 F	27 F	
Dry Bulb	1485802	31914	46.0	5.127	698							93
Wet Bulb	1404488	31020	44.7	5.093	698							93
Dew Point	1326890	30094	43.4	5.628	698							93

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB WB		TOTAL Dry B Wet B		Dew Point	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
58/ 55			.3																													2	2				
54/ 53				.1																												1	1	2			
52/ 51			.4	.1																												4	4	1	2		
50/ 49	.1	2.4	.3																													22	22	0	2		
48/ 47	.5	5.0	.3																													45	45	31	24		
46/ 45	.5	6.7	.4	.1																												60	60	67	38		
44/ 43	2.1	9.1	2.1	.3																												105	105	58	74		
42/ 41	3.1	9.8	1.5																													112	112	106	68		
40/ 39	4.2	8.5	1.2																													108	108	124	105		
38/ 37	2.3	6.9	.5																													76	76	95	90		
36/ 35	1.5	8.5	.4																													81	81	74	65		
34/ 33	1.4	5.3	.3																													54	54	73	88		
32/ 31	1.3	6.4	.4																													63	63	56	65		
30/ 29	.1	4.2	.1																													35	35	42	53		
28/ 27	.4	.6																														8	8	36	24		
26/ 25	.1	.3																														3	3	6	47		
24/ 23																																			6		
22/ 21																																			6		
20/ 19																																			2		
TOTAL	17.7	74.3	7.6	.4																												779	779	779	779		

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Temp °F	WET BULB TEMPERATURE DEPRESSION (°F)																																	TOTAL DB W.B.		TOTAL Dry Bulb		TOTAL Wet Bulb		TOTAL Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
56/ 57					.1				.1																									2	2						
56/ 55					.4																												3	3							
54/ 53				.3	.1	.3																											5	5	2						
52/ 51				.3	.5																												6	6	4	1					
50/ 49	.1	2.2	.4	.3																													23	23	9	6					
48/ 47	.9	4.7	.6	.1																													50	50	38	42					
46/ 45	.4	5.2	.8	.4																													53	53	57	36					
44/ 43	2.6	8.2	1.3																														94	94	60	74					
42/ 41	2.2	10.0	1.7																														108	108	96	64					
40/ 39	5.8	8.3	.8	.1																													117	117	133	103					
38/ 37	3.2	6.9	.3																														81	81	103	101					
36/ 35	1.7	6.5	.4																														62	62	58	86					
34/ 33	1.4	5.5	.1																														55	55	70	74					
32/ 31	2.6	6.5	.4																														74	74	65	76					
30/ 29	.4	3.6																															31	31	43	53					
28/ 27	.1	1.9																															16	16	31	31					
26/ 25	.3																																2	2	11	29					
24/ 23																																				2	13				
22/ 21																																				9					
20/ 19																																				4					
TOTAL	20.6	70.3	7.8	1.2	.1																													782	782	762					

Element (X)	Z _x ¹	Z _x	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						0 F	32 F	64 F	96 F	128 F		
Rel. Hum.	6228945.	69535.	88.9	7.669	782							
Dry Bulb	1238182	30782	39.4	5.826	782		14.2				90	
Wet Bulb	1160546	29800	38.1	5.652	782		17.5				90	
Dew Point	3061846	28807	36.3	5.191	782		24.7				90	

Element (X)	Z _X	Z _X	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum	6228945	69535	88.9	7.669	782	10 F	11 F	12 F	13 F	14 F	15 F	
Dry Bulb	1238182	30782	39.4	5.826	782							90
Wet Bulb	1160546	29800	38.1	5.652	782							90
Dew Point	1061845	28807	36.3	6.191	782							90

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point		
62/ 61											.1																							1	1				
55/ 57						.4	.3																											5	5				
56/ 55					.8	.4	.1																										10	10					
54/ 53			.3	.3																														4	4			6	
52/ 51			.3	.6	.5																													11	11	10		3	
52/ 49		.1	3.8	1.8	.6	.1																												51	51	11		7	
48/ 47		.4	5.6	2.4	.4																													69	69	51		27	
46/ 45		.6	6.1	1.7	.4																													69	69	78		49	
44/ 43	2.0	9.8	2.7																															114	114	97		78	
42/ 41	1.3	9.0	1.5																															93	93	108		79	
40/ 39	4.5	6.6	1.1																															96	96	113		117	
38/ 37	2.0	6.2	1.7																															78	78	82	101		
36/ 35	.6	4.8	1.3																															53	53	59		70	
34/ 33	.5	6.1	.6																															57	57	67		55	
32/ 31	1.5	4.8	.6																															55	55	60		75	
30/ 29	.3	1.8																																16	16	41		56	
28/ 27		.4																																3	3	10		33	
26/ 25																																					2	23	
24/ 23																																						7	
22/ 21																																						5	
TOTAL	13.965	7.17	5.2	.5	.3	.1																												785	785	785	785		

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	5895753	67705	86.2	8.474	785	* 0 F	* 32 F	* 67 F	* 73 F	* 80 F	* 93 F	
Dry Bulb	1353042	32250	41.1	5.989	785		8.5					92
Wet Bulb	1243690	30932	39.4	5.630	785		13.0					93
Dew Point	1115042	29204	37.2	6.038	785		22.8					98

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Temp.		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	D.B.	Wet Bulb	Dew Point
60/	59						.1																											1	1		
58/	57				.1	.9																											8	8			
56/	55			.9	.4	.1																											11	11			
54/	53		.5	.3	.5	.5																											14	14	4		
52/	51		2.2	1.9	.7																												35	35	16	1	
50/	49	.1	4.4	2.4	.7																												57	57	22	13	
48/	47	.7	6.0	2.7	.3																												72	72	72	43	
46/	45	.4	6.5	3.0																													73	73	76	54	
44/	43	1.2	8.1	2.6	.1																												89	89	98	73	
42/	41	1.1	8.7	1.3	.3																												85	85	90	69	
40/	39	3.8	6.5	1.7	.3																													91	91	99	111
38/	37	.8	7.1	2.3																														76	76	63	84
36/	35	.7	4.8	.7																														46	46	75	52
34/	33	.7	4.7	.4																														43	43	58	57
32/	31	1.3	2.3	.5																														31	31	40	92
30/	29	.5	.5	.1																														9	9	23	31
28/	27	.4																																3	3	3	21
26/	25																																			3	14
24/	23																																			3	
22/	21																																			6	
TOTAL		11.362	821.0	4.3	.7																													744		744	

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	5418451	63159	84.9	8.748	744	< 0 F	< 32 F	< 50 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	1360862	31492	42.3	6.125	744		5.2					90
Wet Bulb	1238191	30059	40.4	5.654	744		8.3					90
Dew Point	1101120	28272	38.0	6.004	744		20.2					90

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Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry B.	Wet Bulb	Dew P.			
50/ 57								.2	.2	.2																							3	3					
55/ 55			.2																														1	1					
54/ 53			.6	.3			.5																									9	9	1					
52/ 51		2.1	1.6			.2																										24	24	5	3				
50/ 49		4.8	.8		.5																											38	38	20	4				
48/ 47	1.5	8.2	2.1		.6																											77	77	62	35				
46/ 45	.3	6.9	2.1																													58	58	62	52				
44/ 43	1.3	10.5	3.9	.3																												99	99	82	56				
42/ 41	1.5	7.9	1.6																													68	68	87	76				
40/ 39	1.3	5.5	.8	.2																												48	48	71	76				
38/ 37	1.5	9.0	1.5																													74	74	53	79				
36/ 35	1.1	6.6	.2																													49	49	66	57				
34/ 33	1.0	4.7	.2																													36	36	57	53				
32/ 31	1.5	3.2																														29	29	30	75				
30/ 29	.2	.2																														2	2	16	26				
28/ 27	.2	.5																														4	4	2	14				
25/ 25																																			3	7			
24/ 23																																				3			
22/ 21																																				3			
TOTAL	11.1	71.1	5.0	2.4	.2	.2																											619	619	619				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.	4644845	53405	86.3	7.765	619	+ 0 F	+ 32 F	+ 64 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1108222	25950	41.9	5.736	619		5.1					90
Wet Bulb	1016846	24888	40.2	5.424	619		7.4					90
Dew Point	916077	23555	38.1	5.778	619		18.6					90

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL W.B.			TOTAL Dry B.			TOTAL Wet Bulb			TOTAL Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33											
52/ 51				.6	.6																															6	6	1							
50/ 49					4.4	.9																													29	29	5	2							
48/ 47				.9	8.1	.7	.2																												54	54	43	21							
46/ 45				.9	5.7	1.1	.2																												43	43	59	47							
44/ 43				.2	12.5	1.7																													78	78	37	37							
42/ 41				1.8	9.0	1.8																													69	69	87	54							
40/ 39				2.6	7.5	.6																													58	58	69	66							
38/ 37				1.1	8.4	.4																													54	54	56	66							
36/ 35				1.3	6.8	.6																													47	47	50	70							
34/ 33				.6	7.9	.2																													47	47	55	41							
32/ 31				1.1	7.9																														49	49	45	55							
30/ 29				.6	.9																														8	8	33	48							
28/ 27				.6																															3	3	7	20							
26/ 25																																							1	11					
24/ 23																																									5				
22/ 21																																									2				
TOTAL	11.080	2	8.4	.4																															545		545		545						

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum.	4245948	47978	88.0	6.402	545	10 F	12 F	15 F	20 F	25 F	30 F	90
Dry Bulb	899610	21934	40.2	5.567	545		9.9					90
Wet Bulb	838800	21172	38.8	5.477	545		14.2					90
Dew Point	764237	20153	36.9	5.49	545		23.3					90

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Temp	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL					TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	Dry B.	Wet B.	Total P.			
54/ 53					.1																													1	1						
52/ 51				.4																													3	3							
50/ 49				2.8																													19	19		10	2				
48/ 47		.4	5.0	.3																													39	39		22	19				
46/ 45		.3	6.5	.6	.3																												52	52		57	35				
44/ 43		1.2	9.9	1.3																													84	84		55	56				
42/ 41		2.2	12.4	1.5																													109	109		92	64				
40/ 39		3.3	7.1	1.2	.1																												79	79		94	84				
38/ 37		2.5	7.7	.9																													75	75		83	79				
36/ 35		.6	8.1																														59	59		60	75				
34/ 33		1.5	6.8	.7																													61	61		69	70				
32/ 31		.7	8.4	.6																													66	66		60	60				
30/ 29		.3	2.5																														19	19		46	44				
28/ 27		.1	.7																														6	6		20	41				
26/ 25		.1	.1																														2	2		5	29				
24/ 23		.1																															1	1			9				
22/ 21																																					1	5			
20/ 19																																						2			
18/ 17																																						1			
TOTAL	13.379.0	7.3	.4																															675	675		675	675			

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Temp F	WET BULB TEMPERATURE DEPRESSION °F																														TOTAL H	TOTAL F	TOTAL H	TOTAL F
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
44/ 43				.1																						1	1							
42/ 41				1.2	.5																					14	14	4	1					
40/ 39				1.2	.2																					12	12	9	6					
38/ 37		.2	2.5	.1																						23	23	27	4					
36/ 35	1.2	3.7	.4																							43	43	25	30					
34/ 33	1.7	7.3	.2																							75	75	56	36					
32/ 31	2.6	12.1	1.1																							128	128	92	68					
30/ 29	4.4	7.0	1.2																							103	103	124	61					
28/ 27	2.7	8.0	.1																							88	88	93	66					
26/ 25	2.8	8.7																								94	94	172	85					
24/ 23	2.1	4.1																								50	50	92	60					
22/ 21	1.6	3.6																								44	44	46	61					
20/ 19	3.8	2.7																								53	53	55	94					
18/ 17	2.2	1.2																								28	28	25	66					
16/ 15	1.6	1.0																								21	21	25	41					
14/ 13	.5	.1																								5	5	6	24					
12/ 11	.9	.4																								10	10	11	14					
10/ 9	1.1	.1																								10	10	10	12					
8/ 7	.4	.2																								5	5	3	4					
6/ 5	.5	.2																								6	6	6	7					
4/ 3																																		
2/ 1																																		
0/ -1																																		
-2/ -3																																		
TOTAL	30.665	4	3.9																							813	813	813	813					

Element (X)	ΣX'	ΣX	X̄	s _x	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Hum.	6113041	70233	86.8	2.510	813	100 F	100 F	100 F	100 F	100 F	100 F	93
Dry Bulb	643462	22190	27.3	6.824	813	73.8						93
Wet Bulb	600184	21440	26.4	6.545	813	79.2						93
Dew Point	494023	19279	23.7	7.171	813	84.2						93

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Temp F	WET BULB TEMPERATURE DEPRESSION IF																																	TOTAL DB WB		TOTAL Dry Bulb Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33			
46/ 47					.1																											1	1				
46/ 45				.1																												1	1				
44/ 43				.1																												1	1	2			
42/ 41			.7	.2																												8	8	4	2		
40/ 39			.9	.6																												12	12	5	6		
38/ 37		.7	1.6																													19	19	19	8		
36/ 35		1.5	4.4	.5																												52	52	29	15		
34/ 33		1.2	6.3		.1																											66	66	59	27		
32/ 31		2.8	12.2	.2																												124	124	98	63		
30/ 29		4.7	7.5	.5																												103	103	127	91		
28/ 27		2.0	7.9																													80	80	82	84		
26/ 25		3.6	10.2																													112	112	120	75		
24/ 23		2.6	3.3																													48	48	85	68		
22/ 21		2.8	2.1																													40	40	39	98		
20/ 19		3.7	3.4																													58	58	57	76		
18/ 17		2.0	2.1																													33	33	36	50		
16/ 15		3.0	.7																													30	30	33	46		
14/ 13		.4	.2																													5	5	6	42		
12/ 11		.2	.2																													4	4	5	17		
10/ 9		.9	.2																													9	9	10	8		
8/ 7		.1	.2																													3	3	1	4		
6/ 5		.2	.2																													4	4	5	3		
4/ 3																																			1	4	
2/ 1																																				2	
0/ -1																																				1	
-2/ -3																																				3	
TOTAL	32.3	364.8	2.7	.1																												813	813	813	813		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	6159606	70508	86.7	7.424	813	10 F	32 F	57 F	73 F	80 F	93 F	
Dry Bulb	635483	22089	27.2	6.596	813		74.7					93
Wet Bulb	594631	21375	26.3	6.341	813		79.5					93
Dew Point	496067	19255	23.7	7.022	813	.5	86.4					93

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Element	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						40 F.	39 F.	38 F.	37 F.	36 F.	35 F.	Total
Rel. Hum.	5932360	69138	85.1	7.496	812							
Dry Bulb	672720	22756	28.0	6.569	812		70.3					93
Wet Bulb	621632	21892	27.0	6.223	812		77.0					93
Dew Point	500068	19542	24.1	6.024	812		85.6					93

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Element - X	Z _X	Z _X	X	s _X	No. Obs	Mean No. of Hours with Temperature					
						+0 F	+12 F	+14 F	+16 F	+18 F	+20 F
Rel. Hum.	5652012	66082	84.8	7.716	779						
Dry Bulb	684665	22493	28.9	6.726	779		64.2				93
Wet Bulb	628689	21577	27.7	6.317	779		72.7				93
Dew Point	515846	19374	24.8	6.849	779		83.6				93

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WET BULB TEMPERATURE DEPRESSION F																															TOTAL DB WB DB WB		TOTAL WB DB WB DB WB		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
50/ 49				.1																												1	1		
48/ 47				.1																												1	1	1	
46/ 45				.1				.1																								2	2	1	1
44/ 43				.1			.3																									6	6	2	2
42/ 41				.9	.3																											8	8	3	3
40/ 39				1.2	1.0																											15	15	8	1
38/ 37			.3	1.6	1.2																											21	21	19	3
36/ 35		.6	4.6	.9																												42	42	22	15
34/ 33	1.2	8.7	1.2																													76	76	63	18
32/ 31	2.0	11.3	.7																													97	97	83	60
30/ 29	3.8	9.0	1.0																													95	95	98	78
28/ 27	2.6	8.9	.9																													82	82	95	70
26/ 25	1.2	10.4																														90	90	91	82
24/ 23	2.0	3.9																														41	41	71	47
22/ 21	2.6	1.6																														29	29	37	25
20/ 19	2.8	3.5																														43	43	34	65
18/ 17	.6	.6																														6	8	18	43
16/ 15	1.7	1.2																														20	20	17	28
14/ 13	.6	.4																														7	7	8	21
12/ 11	.3																															2	2	5	12
10/ 9	.3																															2	2	2	6
8/ 7	.4	.4																														6	6	3	1
6/ 5	.6																															4	4	7	3
4/ 3	.1																															1	1	1	2
2/ 1																																			2
0/ -1																																			4
-2/ -3																																			2
TOTAL	23.5	69.4	6.7	.3	.1																											689	689	689	

Element (X)	Z _x ¹	Z _x	R	g _x	No. Obs.	Mean No. of Hours with Temperature						Total
Re. Hum.	5016210.	58560.	85.0	7.532.	689	10 F.	11 F.	12 F.	13 F.	14 F.	15 F.	93
Dr. Bulb	578578.	19416.	28.2	6.760	689						69.8	93
Wet Bulb	532904.	18654.	27.1	6.364	689						76.9	93
Dew Point	435792	16664	24.2	6.900	689						86.5	93

Element	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5016210	58560	85.0	7.532	689	10 F	10 F	10 F	10 F	10 F	10 F	93
Dry Bulb	578578	19416	28.2	6.760	689							93
Wet Bulb	532904	18654	27.1	6.364	689							93
Dew Point	435792	16664	24.2	6.900	689	.8	.8	.8	.8	.8	.8	93

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

701170 IIN CITY AFS AK

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GCT

PAGE 1 1600-2000

Temp		WET BULB TEMPERATURE DEPRESSION F																														TOTAL				TOTAL			
F		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	DB	WB	D	B	WB	D	B	WB	D	B		
46/	45		.2																										1	1									
44/	43		.6		.6																								6	6	1								
42/	41	.4	1.2			.6																							8	8	8							4	
40/	39	.2	1.4																										8	8	4							6	
38/	37	.6	1.8	.4																									14	14	13							5	
36/	35	.6	1.4	.4																									22	22	14							11	
34/	33	.8	1.2	.2																									56	56	39							8	
32/	31	1.8	1.7																										88	88	69							52	
30/	29	4.4	9.4																										69	69	82							72	
28/	27	1.6	1.6																										62	62	65							56	
26/	25	2.4	8.8	.2																									57	57	63							56	
24/	23	1.4	2.2																										18	18	50							37	
22/	21	2.8	2.0																										24	24	24							46	
20/	19	4.6	2.8																										37	37	33							61	
18/	17	1.2	1.6																										14	14	14							40	
16/	15	1.2	.8																										10	10	12							17	
14/	13	.8																											4	4	3							16	
12/	11	.8																											4	4	6							5	
10/	9																																					6	
8/	7																																					4	
TOTAL		24.973	3	1.2	.6																									502	502	502							502

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	3710535	43011	85.7	7.118	502	0 F	32 F	40 F	48 F	56 F	64 F	
Dry Bulb	424186	14264	28.4	6.139	502	71.7						93
Wet Bulb	393571	13749	27.4	5.826	502	78.4						93
Dew Point	324408	12354	24.6	6.378	502	86.7						93

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OCT

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Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL				TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40			
42/ 41			.6	.5	.3																						9	9	3															
40/ 39		.2	1.5	.3	.2																						14	14	9	4														
38/ 37		.6	2.9																								23	23	14	13														
36/ 35		.5	5.1	.5																							39	39	25	11														
34/ 33		.8	7.5	.2																							55	55	59	23														
32/ 31		1.8	14.0	.8																							108	108	67	66														
30/ 29		4.0	8.0	.6																							82	82	100	71														
28/ 27		2.8	8.1	.5																							74	74	76	60														
26/ 25		1.7	9.7																								74	74	84	61														
24/ 23		2.0	3.5																								36	36	73	47														
22/ 21		4.3	2.8																								44	44	42	74														
20/ 19		4.5	1.8																								41	41	41	63														
18/ 17		.9	1.2																								14	14	14	47														
16/ 15		2.2	.2																								15	15	18	22														
14/ 13		.5	.6																								7	7	4	26														
12/ 11		.2	.2																								2	2	6	4														
10/ 9		1.2	.2																								9	9	8	8														
8/ 7		.2	.3																								3	3	2	5														
6/ 5		.2																									1	1	3	4														
4/ 3		.2																									1	1	1	1														
2/ 1																																												
0/ -1																																												
-2/ -3																																												
TOTAL	29.0	66.4	3.2	.5																							651	651	651	651														

Exposure	Σx^2	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						Total																																																																																																																																																																																																																																																																																																						
Re. Hum.	4842759.	55957.	86.0	7.120.	651	0.0 F	1.0 F	2.0 F	3.0 F	4.0 F	5.0 F	6.0 F	7.0 F	8.0 F	9.0 F	10.0 F	11.0 F	12.0 F	13.0 F	14.0 F	15.0 F	16.0 F	17.0 F	18.0 F	19.0 F	20.0 F	21.0 F	22.0 F	23.0 F	24.0 F	25.0 F	26.0 F	27.0 F	28.0 F	29.0 F	30.0 F	31.0 F	32.0 F	33.0 F	34.0 F	35.0 F	36.0 F	37.0 F	38.0 F	39.0 F	40.0 F																																																																																																																																																																																																																																																																				
Dry Bulb	528614.	18054.	27.7	6.555	651																																																																																																																																																																																																																																																																																																													

Element	Σx	Σx	Σx	Σx	No. Obs	Mean	Std. Dev.	Max	Min	Range	Total
Re. Hum.	4842759	55957	86.0	7.120	651	73.0					93
Wet Bulb	528614	18059	27.7	6.555	651	77.3					93
Wet Bulb	490811	17415	26.8	6.194	651	86.1					93
Sea Point	405170	15638	24.0	6.719	651						93

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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UCT

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ALL

WET BULB TEMPERATURE DEPRESSION F																																	TOTAL		TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB	DB B	WB B	DB P		
5 / 49		.1																													3	3				
48 / 47		.0	.0																												3	3	3			
46 / 45		.1	.0	.0	.0																										10	10	2	2		
44 / 43		.3	.1	.1																											30	30	8	4		
42 / 41	.1	.8	.3	.0																											70	70	39	18		
40 / 39	.1	1.1	.6	.0																											105	105	57	35		
38 / 37	.5	2.3	.4	.0																											192	192	156	61		
36 / 35	.9	4.4	.6	.0																											347	347	213	135		
34 / 33	1.4	8.1	.6	.0																											592	592	501	219		
32 / 31	2.3	12.5	1.0	.0																											929	929	703	621		
30 / 29	3.8	7.5	.8																												706	706	838	641		
28 / 27	2.6	8.4	.1																												654	654	721	597		
26 / 25	2.3	9.4	.0																												691	691	747	631		
24 / 23	2.1	3.8																													347	347	629	455		
22 / 21	2.8	2.5																													308	308	324	666		
20 / 19	3.6	2.7																													369	369	365	623		
18 / 17	1.5	1.3																													166	166	181	392		
16 / 15	2.0	.7																													157	157	174	279		
14 / 13	.4	.3																													43	43	43	225		
12 / 11	.6	.2																													45	45	60	87		
10 / 9	.7	.2																													51	51	52	59		
8 / 7	.2	.3																													30	30	12	32		
6 / 5	.3	.1																													23	23	41	30		
4 / 3	.0																														2	2	4	16		
2 / 1																																		14		
0 / -1																																		16		
-2 / -3																																		15		
TOTAL	28.1	67.1	4.5	.3	.0																											5873	5873	5873		

Element X	Z _x	Z _y	X	Y	No Obs	Mean No. of Hours with Temperature				Total
Re. Hum	43663279.	503871.	45.8	7.5	5873	100 F	100 F	100 F	100 F	
Dry Bulb	4801515.	163291.	27.8	6.6	5873		572.7			744
Wet Bulb	4454302.	157398.	26.8	6.3	5873		620.0			744
Dew Point	3676361.	141125.	24.0	6.0	5873		3.0	684.0		744

Element	X	Zx	X	%	No Obs	Mean No. of Hours with Temperature					Total
Re. Hum	43560279	503871	45.8	7.5	5873	10 F	10 F	10 F	10 F	10 F	744
Dry Bulb	4801515	163291	27.8	6.6	5873	572.7					744
Wet Bulb	4454302	157398	26.8	6.3	5873	620.0					744
Dew Point	3675361	141145	24.0	6.9	5873	684.0					744

PSYCHROMETRIC SUMMARY

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Temp °F	WET BULB TEMPERATURE DEPRESSION F.																														TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	D.B.	Wet Bulb	Dew Pt.
32/ 37			.6	.1																												6	6		1	
36/ 35		.4	1.2	.4																												14	14		11	4
34/ 33		2.0	1.8	.1																												31	31		26	21
32/ 31		2.8	2.4	.3																												45	45		37	39
30/ 29		.9	2.2	.3																												26	26		29	12
28/ 27		1.5	1.4																													39	39		37	23
26/ 25		1.3	5.5																													53	53		51	33
24/ 23		.8	1.7																													19	19		35	18
22/ 21		3.4	1.5																													39	39		43	27
20/ 19		5.1	3.7																													69	69		53	75
18/ 17		2.3	2.7																													39	39		42	55
16/ 15		2.4	3.7																													48	48		54	34
14/ 13		4.1	2.8																													54	54		44	40
12/ 11		4.6	1.3																													46	46		56	48
10/ 9		4.1	2.4																													51	51		46	52
8/ 7		2.3	2.3																													34	34		36	53
6/ 5		2.4	1.8																													33	33		44	23
4/ 3		2.5	2.0																													36	36		31	38
2/ 1		1.3	1.5																													22	22		24	48
0/ -1		2.9	.3																													25	25		27	22
-2/ -3		2.7	.1																													22	22		24	18
-4/ -5		1.7																														13	13		13	25
-6/ -7		2.3																														18	18		18	29
-8/ -9		.4																														3	3		3	19
-10/ -11																																				16
-12/ -13																																				10
-14/ -15																																				6
TOTAL	53.944	7.1	1.1							.3																						785	785		785	785

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5577722.	65696.	83.710	.081	785	< 0 F	0-32 F	33-50 F	51-70 F	71-85 F	> 85 F	
Dry Bulb	296373.	12537.	15.911	.112	785	9.3	84.2					90
Wet Bulb	277667.	12049.	15.310	.075	785	9.7	85.6					90
Dew Point	222458.	9236.	11.812	.047	785	16.6	87.1					90

PSYCHROMETRIC SUMMARY

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Temp F	WET BULB TEMPERATURE DEPRESSION F ¹																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB	Dry Bulb	Wet Bulb	Dew Point			
38/ 37			.4																													3	3	1					
36/ 35			1.3	.3																												12	12	6	2				
34/ 33	2.4	1.9		.3																												36	36	25	24				
32/ 31	1.5	3.9	.1					.1																								45	45	36	23				
30/ 29	1.3	1.8	.1																														25	25	33	33			
28/ 27	1.7	3.1				.1																											38	38	43	18			
26/ 25	1.1	3.8	.1																														40	40	26	35			
24/ 23	1.1	3.1																															33	33	50	25			
22/ 21	3.7	1.5																															41	41	46	25			
20/ 19	5.3	3.3																															68	68	48	62			
18/ 17	2.5	1.5																															32	32	42	55			
16/ 15	3.2	3.9																															56	56	51	42			
14/ 13	3.4	3.3																															53	53	51	37			
12/ 11	4.3	2.2																															51	51	53	45			
10/ 9	4.2	1.7																															46	46	55	53			
8/ 7	2.4	2.0																															35	35	31	51			
6/ 5	2.2	2.0																															33	33	36	24			
4/ 3	3.2	1.1																															34	34	39	30			
2/ 1	1.4	1.5																															23	23	21	58			
0/ -1	2.5	.1																															21	21	25	49			
-2/ -3	2.9	.3																															25	25	24	12			
-4/ -5	1.4																																11	11	13	25			
-6/ -7	2.0																																16	16	16	26			
-8/ -9	1.1																																9	9	9	15			
-10/-11																																			14				
-12/-13																																			9				
-14/-15																																			12				
-16/-17																																			1				
-18/-19																																			1				
TOTAL	55.14	3.8	.9	.1	.1																												786	786	786				

Element (X)	Z _X ²	Z _X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total				
Rel Hum	5613715.	65953.	83.91	0.071	786	< 50 F	> 50 F	< 60 F	> 60 F	< 70 F	> 70 F	< 80 F	> 80 F	< 90 F	> 90 F
Dry Bulb	293847.	12427.	15.81	1.137	786	9.4	84.2								90
Wet Bulb	275753.	11977.	15.21	0.896	786	10.0	85.1								90
Dew Point	223420.	9212.	11.71	2.131	786	16.5	87.0								90

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GLOBAL CLIMATOLOGY BRANCH
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Temp F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL DB WB DB WB				TOTAL Wet Bulb																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
40/ 39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

GLOBAL CLIMATOLOGY BRANCH
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PSYC ROMETRIC SUMMARY

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Time	WET BULB TEMPERATURE DEPRESSION F																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
40/ 39					.1																		1	1
38/ 37		.3	.7																				7	7
36/ 35		1.2	1.2	.5																			22	22
34/ 33		4	2.2	.1																			21	21
32/ 31		2.5	2.9	.1																			42	42
30/ 29		1.2	2.0																				24	24
28/ 27		2.7	2.7	.1																			43	43
26/ 25		2.7	3.6																				49	49
24/ 23		1.7	2.3																				31	31
22/ 21		2.5	2.3	.1																			35	35
20/ 19		6.8	2.5																				71	71
18/ 17		2.6	4.0																				51	51
16/ 15		3.3	5.1																				64	64
14/ 13		2.9	2.1																				38	38
12/ 11		3.5	2.0																				42	42
10/ 9		2.3	2.9																				40	40
8/ 7		3.5	2.1																				43	43
6/ 5		3.1	1.7																				37	37
4/ 3		1.7	2.1																				29	29
2/ 1		2.9	.9																				29	29
0/ -1		2.3																					18	18
-2/ -3		.7																					5	5
-4/ -5		1.0																					8	8
-6/ -7		1.6																					12	12
-8/ -9		.4																					3	3
-10/ -11		.4																					3	3
-12/ -13																								
-14/ -15																								
-16/ -17																								
TOTAL	54.0	44.8	1.2																				768	768

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs	Mean No. of Hours with Temperature					Total
Rel. Hum	5532291	64791	84.4	9.298	768	0 F	10 F	20 F	30 F	40 F	90
Wet Bulb	301642	12840	16.7	10.649	768	5.7	84.0				90
Wet Bulb	284287	12409	16.2	10.452	768	6.1	86.0				90
Dew Point	228462	9796	12.8	11.617	768	13.9	87.5				90

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Temp	WET BULB TEMPERATURE DEPRESSION F																																TOTAL		TOTAL	
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60						
38/ 37		.4																											3	3						
36/ 35		.9	1.4	.4																									19	19	9	2				
34/ 33		1.3	2.7																										28	28	29	13				
32/ 31		1.4	1.9	.1																									38	38	39	49				
30/ 29		.4	1.7	.3																									17	17	15	12				
28/ 27		.9	2.6																										24	24	22	14				
26/ 25		2.3	5.0																										51	51	45	26				
24/ 23		.7	1.7																										17	17	10	19				
22/ 21		2.4	2.0																										31	31	1	29				
20/ 19		5.2	6.0	.3																									79	79		47				
18/ 17		2.6	2.6																										36	36	44	42				
16/ 15		2.1	5.9																										56	56	44	52				
14/ 13		3.3	3.1																										45	45	54	39				
12/ 11		3.9	1.6																										38	38	45	51				
10/ 9		1.4	2.3																										26	26	27	43				
8/ 7		3.2	2.6																										39	39	39	36				
6/ 5		4.6	2.4																										49	49	51	34				
4/ 3		2.9	1.1																										28	28	32	24				
2/ 1		2.1	1.7																										27	27	27	46				
0/ -1		2.6																											18	18	21	32				
-2/ -3		1.4																											10	10	10	22				
-4/ -5		1.3																											9	9	9	17				
-6/ -7		.7																											5	5	5	16				
-8/ -9		.4																											3	3	3	13				
-10/ -11		.4																											3	3	3	6				
-12/ -13		.1																											1	1	1	8				
-14/ -15																																	5			
-16/ -17																																	3			
TOTAL	50.148.7	1.1																											700	700	700	700				

Element (X)	Σx	Σx	R	Pa	No. Obs	Wet Bulb Temp Depression F		
Rel Hum	4987636.	58708.	83.9	9.560.	700			
Dry Bulb	263133.	11313.	16.2	10.718.	700	6.3	83.6	70
Wet Bulb	246326.	10886.	15.6	10.498.	700	6.7	85.1	70
Dew Point	196983.	8043.	12.1	11.667.	700	15.7	88.1	90

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62			
40/	39		.2																										1	1					
38/	37	.3	.5	.5																									8	8	3	2			
36/	35	.2	.5	.5																									7	7	4	4			
34/	33	1.3	2.6																										24	24	20	7			
32/	31	2.5	2.6																										31	31	30	34			
30/	29	1.0	2.3	.2																									21	21	22	12			
28/	27	1.3	3.8																										31	31	25	13			
26/	25	1.1	3.8																										30	30	39	29			
24/	23	1.5	2.3																										23	23	30	12			
22/	21	2.1	3.1																										32	32	30	21			
20/	19	6.2	3.8																										61	61	52	39			
18/	17	1.6	2.9																										40	40	39	44			
16/	15	4.2	4.7																										55	55	51	37			
14/	13	2.9	2.8																										35	35	43	47			
12/	11	3.3	1.1																										27	27	31	38			
10/	9	2.8	2.6																										33	33	29	33			
8/	7	1.1	3.1																										26	26	24	29			
6/	5	1.8	2.3																										25	25	34	14			
4/	3	2.5	2.5																										30	30	31	26			
2/	1	1.5	1.5																										18	18	19	41			
0/	-1	3.3	.3																										22	22	22	13			
-2/	-3	1.6																											10	10	12	20			
-4/	-5	1.0																											6	6	6	24			
-6/	-7	2.2																											12	12	12	24			
-8/	-9	.7																											4	4	4	5			
-10/	-11																																9		
-12/	-13																																5		
-14/	-15																																10		
TOTAL		49.7	49.2	1.1																											612	612	612		

Element	Z _g	Z _h	X	Y	No Obs	Mean No of Hours with Temperature						
Rel Hum	4304920	50984	83.3	9.708	612	0 F	32 F	47 F	63 F	79 F	95 F	110
Dry Bulb	233281	9959	16.3	10.796	612	7.9	84.1					90
Wet Bulb	218422	9578	15.7	10.590	612	8.2	86.0					90
Dew Point	173969	7353	12.3	11.838	612	16.2	68.1					90

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WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL			
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40																												Wet Bulb		Wet Bulb			
40/ 39			.3	.0	.0																							3	3				
38/ 37	.1	.6	.1	.0																								51	51	10	2		
36/ 35	.5	.9	.3																									97	97	77	28		
34/ 33	1.5	2.3	.2																									223	223	171	120		
32/ 31	2.3	2.9	.2			.1																						309	309	285	269		
30/ 29	1.0	1.8	.2																									174	174	203	147		
28/ 27	1.5	3.3	.0	.0																								278	278	239	147		
26/ 25	1.7	4.6	.0																									361	361	347	233		
24/ 23	1.2	2.5																										212	212	318	169		
22/ 21	2.9	2.1	.1																									287	287	306	245		
20/ 19	5.5	3.7	.1																									527	527	452	479		
18/ 17	2.6	3.2	.0																									336	336	312	370		
16/ 15	3.1	4.7																										445	445	426	338		
14/ 13	3.4	2.6																										339	339	379	352		
12/ 11	3.9	2.0																										334	334	352	391		
10/ 9	2.9	2.4																										302	302	318	325		
8/ 7	2.4	2.4																										274	274	273	310		
6/ 5	2.6	2.1																										269	269	306	182		
4/ 3	2.6	1.7																										242	242	257	258		
2/ 1	1.8	1.5																										185	185	189	362		
0/ -1	2.5	.1																										147	147	170	190		
-2/ -3	1.6	.1																										97	97	100	138		
-4/ -5	1.5	.0																										85	85	86	165		
-6/ -7	1.6																											89	89	90	173		
-8/ -9	.7																											38	38	38	91		
-10/ -11	.2																											12	12	12	61		
-12/ -13	.0																											1	1	1	51		
-14/ -15																															65		
-16/ -17																															14		
-18/ -19																															2		
TOTAL	51.5	47.2	1.2	.1	.1																								5717	5717	5717		
																														5717	5717		

Element	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	40683431	479091	83.8	9.675	5717	100 F	100 F	100 F	100 F	100 F	100 F	740
Dry Bulb	2183006	93068	16.3	10.810	5717	59.1	672.9					720
Wet Bulb	2046260	83642	15.7	10.587	5717	62.6	687.5					720
Dew Point	1635777	69089	12.2	11.765	5717	122.2	701.1					720

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Temp		WET BULB TEMPERATURE DEPRESSION F																				TOTAL		TOTAL	
F		1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42		
34/	33	.1	.3																		3	3	1		
32/	31	1.0	.8	.4																	17	17	10		
30/	29	1.6	.1																		14	14	20		
28/	27	.6	.5																		9	9	10		
26/	25	.5	1.0																		12	12	10		
24/	23	.3	.8																		8	8	10		
22/	21	.5	.1																		5	5	7		
20/	19	1.8	1.4																		25	25	17		
18/	17	.9	1.3																		17	17	18		
16/	15	.6	2.3																		23	23	20		
14/	13	1.5	1.6																		25	25	25		
12/	11	1.2	.1																		16	16	25		
10/	9	2.3	2.3																		36	36	25		
8/	7	1.0	2.8																		30	30	27		
6/	5	1.8	3.3																		40	40	41		
4/	3	1.5	1.8																		26	26	34		
2/	1	2.9	3.3																		49	49	47		
0/	-1	5.9	.3																		49	49	55		
-2/	-3	5.4																			43	43	45		
-4/	-5	7.8																			62	62	62		
-6/	-7	8.3																			66	66	66		
-8/	-9	7.4																			59	59	59		
-10/	-11	6.4																			51	51	51		
-12/	-13	3.0																			24	24	24		
-14/	-15	4.0																			32	32	32		
-16/	-17	2.1																			17	17	17		
-18/	-19	1.8																			14	14	14		
-20/	-21	1.0																			8	8	8		
-22/	-23	1.3																			10	10	10		
-24/	-25	.6																			5	5	5		
-26/	-27	.3																			2	2	2		
-28/	-29	.3																			2	2	2		
-30/	-31																								
-32/	-33																								
Element X		Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	No. Obs		Max. No. of Hours with Temperature		
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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Temp F	WET BULB TEMPERATURE DEPRESSION F																								TOTAL		TOTAL							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	DR	WB	D	L	B	Wet B	Wet P
34/ 33		.5	.1																								5		5					
32/ 31	.6	1.8																									20		20		11		5	
30/ 29	.7	.4																									9		9		20		14	
28/ 27	.9	.4	.1																								11		11		12		13	
26/ 25	.2	1.0	.2																								12		12		9		9	
24/ 23	.5	.4																									7		7		12		4	
22/ 21	.5	.9	.1																								12		12		6		15	
20/ 19	1.5	1.1	.4																								24		24		23		11	
18/ 17	.1	1.0																									9		9		11		6	
16/ 15	1.2	1.6																									23		23		19		12	
14/ 13	1.4	1.6																									24		24		22		21	
12/ 11	1.6	1.6																									26		26		24		16	
10/ 9	.4	1.8																									18		18		21		20	
8/ 7	.4	2.1																									20		20		19		22	
6/ 5	1.6	2.1																									30		30		32		7	
4/ 3	3.3	3.5																									55		55		49		19	
2/ 1	3.5	3.3																									55		55		58		41	
0/ -1	4.2	.2																									36		36		46		27	
-2/ -3	5.7	.4																									49		49		49		29	
-4/ -5	6.3	.1																									52		52		53		43	
-6/ -7	8.4																										68		68		69		49	
-8/ -9	8.0																										65		65		65		43	
-10/ -11	4.7																										38		38		38		70	
-12/ -13	5.1																										41		41		41		29	
-14/ -15	4.9																										40		40		40		76	
-16/ -17	2.8																										23		23		23		42	
-18/ -19	1.4																										11		11		11		65	
-20/ -21	.9																										7		7		7		35	
-22/ -23	1.4																										11		11		11		26	
-24/ -25	.7																										6		6		6		17	
-26/ -27	.1																										1		1		1		16	
-28/ -29																																	2	
-30/ -31	.4																										3		3		3		4	
-32/ -33																																	3	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total																	
Rel Hum											0 F	32 F	67 F	73 F	81 F	90 F																		
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

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		WET BULB TEMPERATURE DEPRESSION °F																								TOTAL		TOTAL			
		1	2	3-4	5	6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
30/	35			.2																							1	1			
32/	31	1.1	2.2	.2																							22	22	11	6	
30/	29	1.3																									6	6	18	7	
28/	27	.6	.5																								7	7	5	16	
26/	25	.5	1.1	.2																							11	11	5	5	
24/	23	.8	1.3																								13	13	17	5	
22/	21	1.9	1.9																								24	24	26	9	
20/	19	1.0	1.4	.2																							16	16	12	13	
18/	17	.3	1.0																								8	8	9	13	
16/	15	1.1	1.1																								14	14	13	16	
14/	13	1.1	3.2																								27	27	17	14	
12/	11	1.4	2.4																								24	24	27	11	
10/	9	1.6	3.3																								31	31	31	17	
8/	7	1.3	2.1																								19	19	24	20	
6/	5	1.1	1.4																								16	16	19	18	
4/	3	3.2	1.7																								31	31	33	22	
2/	1	3.0	2.9																								37	37	28	25	
-2/	-1	4.9	.8																								36	36	43	29	
-4/	-3	6.3	1.1																								47	47	49	24	
-6/	-5	5.9	.3																								39	39	40	26	
-8/	-7	8.9																									56	56	56	37	
-10/	-9	7.3																									46	46	46	39	
-12/	-11	5.7																									36	36	36	51	
-14/	-13	1.9																									12	12	12	13	
-16/	-15	4.0																									25	25	25	48	
-18/	-17	2.9																									18	18	18	39	
-20/	-19	1.3																									8	8	8	40	
-22/	-21	.2																									1	1	1	20	
-24/	-23																													9	
-26/	-25																													17	
-28/	-27																													2	
-30/	-29																													2	
TOTAL		69.7	29.6	.6																								631	631	631	
Exponent IX		Zx	Zx	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Re. Hum		3704482.	47874.	75.9	10.7	11.																						631			
Dry Bulb		110167.	1737.	2.8	12.9	34.																						631	47.8	92.9	93
Wet Bulb		134159.	15.7.	2.4	12.6	34.																						631	49.5	93.0	93
Dew Point		112295.	-2039.	-3.2	18.1	26.																						631	61.3	93.0	93

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WET BULB TEMPERATURE DEPRESSION F		TOTAL		TOTAL	
Temp		W B	W B	W B	W B
36/ 35	.2			1	1
34/ 33	.6			4	4
32/ 31	1.1 1.2			15	15
30/ 29	.6 .3			9	9
28/ 27	1.1 .3			9	9
26/ 25	.9 1.1			14	14
24/ 23	.5 .6			7	7
22/ 21	1.2 .6			12	12
20/ 19	1.7 1.7			22	22
18/ 17	1.1 1.1			14	14
16/ 15	.8 2.0			18	18
14/ 13	1.5 1.8			22	22
12/ 11	2.3 1.2			21	21
10/ 9	1.2 3.2			29	29
8/ 7	1.4 2.2			23	23
6/ 5	1.7 1.7			22	22
4/ 3	2.6 2.6			34	34
2/ 1	3.5 3.2			44	44
0/ -1	5.5 .2			37	37
-2/ -3	3.2 .1			23	23
-4/ -5	7.4 .2			49	49
-6/ -7	7.1			46	46
-8/ -9	10.0			65	65
-10/ -11	5.1			33	33
-12/ -13	3.1			20	20
-14/ -15	3.9			25	25
-16/ -17	1.8			12	12
-18/ -19	.6			4	4
-20/ -21	1.1			7	7
-22/ -23	.8			5	5
-24/ -25	.2			1	1
-26/ -27	.3			2	2
-28/ -29					
-30/ -31					

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DEC

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PSYCHROMETRIC SUMMARY

73-81

DEC

PAGE 1

ALL

Temp		WET BULB TEMPERATURE DEPRESSION F ¹																												TOTAL				TOTAL											
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB	DB	WB	DB	WB					
34/	35			.0	.0																												3	3											
34/	33		.1	.3	.0																												23	23	5										
32/	31		.9	1.3	.1																												134	134	81	55									
30/	29		1.3	.3	.1																												97	97	152	63									
28/	27		.8	.4	.1																												77	77	70	124									
26/	25		.5	1.0	.1																												88	88	71	56									
24/	23		.5	.7																													64	64	95	38									
22/	21		1.1	.9	.1																												118	118	103	76									
20/	19		1.4	1.2	.1																												153	153	134	136									
18/	17		.6	1.0																													80	80	89	63									
16/	15		1.2	1.7																													167	167	143	97									
14/	13		1.3	2.2																													200	200	161	124									
12/	11		1.6	1.3																													170	170	211	125									
10/	9		1.5	2.3																													220	220	203	139									
8/	7		1.1	2.3																													194	194	190	189									
6/	5		1.6	2.2																													216	216	252	99									
4/	3		2.5	2.5																													284	284	280	162									
2/	1		3.4	2.9																													364	364	351	253									
0/	-1		5.3	.2																													319	319	376	208									
-2/	-3		5.2	.4																													322	322	322	223									
-4/	-5		7.2	.1																													426	426	430	313									
-6/	-7		8.0																														463	463	471	321									
-8/	-9		7.4																														428	428	428	363									
-10/	-11		5.4																														313	313	313	441									
-12/	-13		3.7																														211	211	211	253									
-14/	-15		4.6																														265	265	265	442									
-16/	-17		2.4																														141	141	141	304									
-18/	-19		1.1																														64	64	64	456									
-20/	-21		.7																														42	42	42	238									
-22/	-23		1.1																														61	61	61	134									
-24/	-25		.5																														29	29	29	104									
-26/	-27		.1																														7	7	7	79									
-28/	-29		.1																														7	7	7	28									
-30/	-31		.2																														10	11	10	23									
Element X		Σ X ²		Σ X		X̄		σ _x		No. Obs		Mean No. of Hours with Temperature		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total							
Rel Hum																																													
Dry Bulb																																													
Wet Bulb																																													
Dew Point																																													

PSYCHROMETRIC SUMMARY:

73-81

DEC

ALL

[illegible]

PSYCHROMETRIC SUMMARY,

73-81

ALL

PAGE 2

ALL

Temp.		WET BULB TEMPERATURE DEPRESSION (F.)																															TOTAL				TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																								
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	DB WB D.B.	WB D.B.	Wet B.	Wet B.																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Re. Hum.	475307417.	5689809.	31.612	.500.																			69709	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.	10 F.

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JOINT CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAO

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-17 TIA CITY AFS AK

73-31

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN	5.3	-4.1	-1.2	8.6	25.5	35.7	43.8	45.8	39.3	27.3	15.9	.8	21.4
-0.5	16.358	16.258	15.527	12.466	7.380	5.116	5.544	5.034	5.524	6.324	11.112	13.226	20.563
TOTAL OBS	756	728	81	798	821	758	784	811	779	813	785	799	9454
MEAN	4.6	-3.9	-2.0	8.1	25.0	35.7	43.6	45.5	39.1	27.1	15.8	.8	21.1
-0.5	16.413	16.509	15.699	12.827	7.646	5.411	5.642	5.081	5.693	6.305	11.137	13.445	20.686
TOTAL OBS	801	756	815	798	834	783	804	815	783	814	786	854	9593
MEAN	4.6	-3.9	-2.2	6.4	25.5	37.0	44.9	46.3	39.4	27.2	16.0	.6	21.4
-0.5	16.451	16.657	15.676	13.178	7.827	6.051	6.127	5.334	5.326	6.596	10.967	13.172	21.785
TOTAL OBS	876	755	820	798	834	788	806	817	782	813	787	866	9612
MEAN	5.0	-3.5	-1.1	10.0	27.0	36.9	44.1	47.8	41.1	28.1	16.4	.4	21.5
-0.5	16.523	16.517	15.232	13.048	7.826	6.587	6.930	5.556	5.989	6.569	10.839	13.221	21.561
TOTAL OBS	811	753	821	797	836	792	808	816	785	812	794	811	9632
MEAN	5.0	-2.5	.4	11.8	23.3	39.7	48.1	48.6	42.3	28.9	16.7	.7	21.5
-0.5	16.459	16.296	14.952	12.424	7.428	6.554	7.166	5.503	5.125	6.726	10.649	13.482	21.540
TOTAL OBS	766	738	800	792	834	782	790	798	744	779	765	770	9361
MEAN	6.5	-2.0	1.3	13.8	28.6	39.5	47.7	48.1	41.9	28.2	16.2	2.8	22.6
-0.5	16.514	16.143	14.516	11.664	6.908	6.407	6.879	5.352	5.736	6.761	10.718	12.934	20.595
TOTAL OBS	560	646	775	675	806	635	604	644	619	689	700	631	7934
MEAN	6.9	-.7	1.1	13.4	27.8	39.3	46.6	47.0	40.2	28.4	17.4	3.7	22.8
-0.5	16.291	15.921	13.674	11.027	6.553	6.130	6.250	5.408	5.567	6.139	9.799	12.979	19.897
TOTAL OBS	471	483	598	544	722	511	479	563	545	502	485	499	6382
MEAN	5.3	-3.4	-.4	11.6	26.7	37.2	45.2	46.0	39.3	27.7	16.3	2.2	21.2
-0.5	15.903	16.355	14.880	12.016	6.864	5.582	5.712	5.127	5.445	6.555	10.796	13.114	20.375
TOTAL OBS	674	583	733	684	726	610	618	694	675	651	612	649	7839
MEAN	5.4	-3.1	-.6	10.4	26.8	37.8	45.8	46.9	40.3	27.8	16.3	1.3	21.3
-0.5	16.383	16.347	15.093	12.581	7.449	6.201	6.523	5.414	5.877	6.672	10.810	13.158	20.672
TOTAL OBS	5636	5442	6132	5886	6393	5659	5693	5958	5712	5873	5717	5769	69612



USAFETAC FORM 1005 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/1AC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

20170 TTN CITY AFS AK

73-81

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
MEAN	4.5	-4.4	-1.1	7.9	24.5	34.6	42.6	44.5	38.1	26.4	15.3	.6	19.6
STDEV	15.735	15.872	14.963	12.273	6.989	4.502	4.953	4.998	5.488	6.545	10.375	12.786	20.028
TOTAL OBS	767	725	800	798	821	758	784	811	779	813	785	799	9440
MEAN	4.5	-4.0	-1.7	7.4	24.5	34.6	42.4	44.3	37.7	26.2	15.2	.5	19.4
STDEV	15.998	16.075	15.076	12.440	7.186	4.708	4.995	4.988	5.603	6.536	10.696	12.813	20.109
TOTAL OBS	796	752	799	798	834	783	804	815	783	814	786	804	9571
MEAN	4.5	-4.1	-2.0	7.7	24.4	35.7	43.4	44.9	38.1	26.3	15.4	.4	19.7
STDEV	16.094	16.163	14.961	12.759	7.302	5.092	5.186	5.044	5.652	6.341	10.745	12.870	20.410
TOTAL OBS	800	750	803	798	834	783	806	817	782	813	787	805	9589
MEAN	4.7	-3.7	-1.1	9.2	25.7	37.2	45.0	46.2	39.4	27.1	15.8	.1	20.6
STDEV	16.161	16.020	14.636	12.544	7.267	5.377	5.539	5.110	5.630	6.223	10.621	12.911	20.753
TOTAL OBS	800	748	811	797	839	792	806	816	785	812	794	811	9618
MEAN	4.7	-3.0	.2	10.8	26.9	37.8	45.8	46.7	40.4	27.7	16.2	.4	21.4
STDEV	16.140	15.948	14.489	11.907	6.902	5.257	5.497	5.033	5.654	6.317	10.452	13.187	20.713
TOTAL OBS	764	738	797	792	834	782	790	798	744	779	768	771	9356
MEAN	6.2	-2.4	1.1	12.8	27.3	37.7	45.5	46.4	40.2	27.1	15.6	2.4	21.5
STDEV	16.147	15.805	14.059	11.280	6.441	5.234	5.444	5.058	5.424	6.364	10.498	12.634	19.849
TOTAL OBS	570	646	699	675	806	635	604	644	619	689	700	631	7926
MEAN	6.5	-1.0	.7	12.5	26.7	37.6	44.8	45.4	38.8	27.4	16.7	3.4	21.9
STDEV	15.947	15.387	13.250	10.792	6.132	5.099	5.214	5.260	5.477	5.826	9.557	12.696	19.261
TOTAL OBS	471	481	596	544	702	511	479	563	545	502	495	499	6378
MEAN	5.4	-3.6	-.5	9.8	25.7	35.8	43.7	44.7	38.0	26.8	15.7	1.9	20.4
STDEV	15.508	15.915	14.372	11.696	6.478	4.744	5.009	5.093	5.464	6.194	10.590	12.843	19.810
TOTAL OBS	603	590	729	684	726	610	618	694	675	651	612	649	7831
MEAN	5.0	-3.4	-.6	9.6	25.6	36.3	44.1	45.4	38.8	26.8	15.7	1.0	20.5
STDEV	16.010	15.916	14.541	12.165	6.964	5.170	5.384	5.142	5.636	6.340	10.567	12.878	20.191
TOTAL OBS	5596	5420	6034	5886	6393	5657	5693	5958	5712	5873	5717	5768	69709

USAFETAC FORM 800 (OLA)

1
2CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

11170 TIK CITY AFS AK

73-01

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
MEAN	-8.3	-10.8	-7.8	2.2	21.5	33.0	41.3	43.2	36.4	23.7	11.6	-4.9	15.9
1-07	18.354	19.771	19.423	13.664	7.692	4.436	4.591	5.485	6.109	7.171	12.047	14.901	22.386
TOTAL OBS	767	725	800	798	821	756	784	811	779	813	785	799	9441
MEAN	-1.5	-10.6	-8.4	1.0	20.9	32.9	41.0	43.0	36.2	23.5	11.7	-4.9	15.6
1-08	18.048	20.091	19.693	14.094	7.829	4.559	4.974	5.402	6.200	7.149	12.131	14.917	22.529
TOTAL OBS	799	752	799	798	834	783	804	815	783	814	786	804	9571
MEAN	-1.5	-10.7	-9.0	1.9	21.2	33.7	41.9	43.6	36.3	23.7	11.9	-5.1	15.8
1-08	19.292	20.238	20.145	14.416	7.890	4.794	5.002	5.378	6.191	7.221	11.901	15.107	22.065
TOTAL OBS	806	750	803	798	834	788	806	817	782	813	787	805	9589
MEAN	-1.2	-10.4	-8.1	3.1	22.2	34.7	43.1	44.6	37.2	24.1	12.3	-5.5	16.5
1-11	19.266	19.977	19.699	14.281	7.995	4.938	5.102	5.486	6.338	6.824	11.819	15.173	23.883
TOTAL OBS	808	748	811	797	836	792	808	816	785	812	794	811	9618
MEAN	-1.2	-9.6	-6.8	4.8	23.5	35.5	43.6	45.0	38.0	24.6	12.8	-5.2	17.3
1-14	19.385	19.684	18.665	13.625	7.623	4.824	4.957	5.434	6.304	6.849	11.617	15.357	22.959
TOTAL OBS	764	738	797	792	834	782	790	798	744	779	768	771	9356
MEAN	.3	-8.9	-5.9	7.1	24.0	35.3	43.5	44.7	38.1	24.2	12.1	-3.2	17.5
1-17	18.961	19.381	17.859	15.042	7.181	4.630	5.110	5.522	5.778	6.900	11.667	14.491	22.130
TOTAL OBS	576	646	699	675	806	635	604	644	619	689	700	631	7920
MEAN	1.9	-7.4	-6.6	7.3	23.7	35.4	43.0	43.8	37.0	24.6	13.1	-1.9	18.1
1-20	17.633	18.546	17.471	12.621	6.784	4.643	5.034	5.757	5.913	6.378	10.604	14.332	21.443
TOTAL OBS	471	481	596	544	702	511	479	563	545	502	485	499	6378
MEAN	.3	-9.6	-7.6	4.4	22.8	34.0	42.2	43.4	36.1	24.0	12.0	-3.6	16.7
1-23	17.299	19.164	19.039	13.401	7.177	4.442	4.947	5.624	6.160	6.739	11.838	14.746	22.071
TOTAL OBS	603	580	729	684	726	610	616	694	675	651	612	649	7831
MEAN	-0.6	-9.9	-7.6	3.8	22.4	34.3	42.4	43.9	36.9	24.0	12.2	-4.5	16.6
ALL TOTAL OBS	18.732	19.670	19.149	13.858	7.632	4.799	5.090	5.542	6.101	6.922	11.765	14.898	22.505
	5596	5420	6034	5886	6393	5659	5693	5958	5712	5873	5717	5768	69725



USAFETAC FORM 0895 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

73-170
STATION

TIN CITY AFS AK
STATION NAME

73-81

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	00-02	100.0	99.9	99.0	97.9	97.1	91.1	72.1	36.8	9.3	75.8	767
	03-05	100.0	99.6	97.9	96.4	95.6	90.2	73.6	35.7	9.9	75.5	799
	06-08	100.0	99.3	97.5	96.3	94.4	89.6	70.8	36.4	11.5	75.1	805
	09-11	100.0	99.5	97.8	95.8	94.9	90.0	72.4	37.1	13.2	75.4	878
	12-14	100.0	99.5	98.0	95.8	94.6	87.8	70.7	39.3	15.7	75.6	764
	15-17	100.0	99.8	98.6	97.2	95.3	90.8	77.2	43.8	16.1	77.2	578
	18-20	100.0	100.0	100.0	100.0	100.0	96.6	82.0	43.9	16.1	79.1	471
	21-23	100.0	100.0	100.0	100.0	99.5	94.7	75.0	39.5	11.3	77.4	673
TOTALS		100.0	99.7	98.6	97.4	96.4	91.4	74.2	39.1	12.9	76.4	5506

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

73-170
STATION

TIN CITY AFS AK
STATION NAME

73-61

PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
FEB	00-02	100.0	99.3	98.3	97.7	95.9	87.4	66.5	22.1	6.6	72.9	725
	03-05	99.9	99.3	98.1	97.1	95.2	86.8	64.3	22.6	7.4	72.5	752
	06-08	100.0	99.3	98.5	97.5	95.1	85.5	63.1	22.9	5.5	72.2	750
	09-11	100.0	99.3	98.8	97.6	95.5	85.8	61.0	21.5	4.9	71.8	748
	12-14	100.0	99.3	98.9	97.7	96.3	85.2	61.1	21.3	6.0	71.8	738
	15-17	100.0	99.5	98.6	97.2	95.5	86.2	61.8	23.5	7.4	72.4	646
	18-20	100.0	99.6	99.2	98.5	96.7	84.6	61.5	24.5	9.1	72.7	481
	21-23	100.0	100.0	100.0	100.0	98.4	89.1	67.8	22.8	7.6	74.0	581
TOTALS												
TOTALS		100.0	99.5	98.8	97.9	96.1	86.3	63.5	22.7	6.8	72.5	5420

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1170 STATION TIN CITY AFS AK 73-81 PERIOD M & M MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	99.8	98.6	96.1	94.6	93.0	86.1	68.6	27.6	8.8	72.9	600
	03-05	99.7	98.7	96.2	94.6	92.2	89.0	68.5	25.2	7.9	72.8	799
	06-08	99.6	97.4	95.5	93.8	91.9	87.9	67.0	24.9	9.2	72.2	873
	09-11	99.1	98.5	96.1	93.7	91.1	86.3	63.9	23.8	10.1	71.9	811
	12-14	99.4	98.4	96.9	94.0	91.8	85.9	64.5	23.8	9.8	72.0	797
	15-17	99.9	99.4	97.1	94.1	91.0	85.1	64.8	23.3	7.7	71.8	699
	18-20	99.8	98.0	95.5	91.9	89.3	84.6	67.1	22.1	4.9	71.0	596
	21-23	99.7	97.9	96.0	93.4	91.6	87.8	67.1	24.3	7.7	72.0	729
TOTALS		99.6	98.4	96.2	93.8	91.5	86.8	66.4	24.4	8.3	72.1	6034

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AD 1

STATION NAME

73-81

PERIOD

FORM
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

11.17.73 TIN CITY AFS AK 73-61 MAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	98.7	91.8	72.8	34.2	85.1	821
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	92.2	69.7	32.4	84.6	834
	06-08	100.0	100.0	100.0	100.0	99.9	98.9	89.2	66.5	31.4	83.8	834
	09-11	100.0	100.0	100.0	100.0	99.8	98.1	86.1	63.5	25.2	82.6	836
	12-14	100.0	100.0	100.0	100.0	100.0	98.3	86.6	62.5	25.1	82.4	834
	15-17	100.0	100.0	100.0	100.0	99.9	98.6	88.7	65.6	24.9	83.1	836
	18-20	100.0	100.0	100.0	100.0	100.0	99.3	91.9	71.1	32.1	84.7	732
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	93.2	74.2	33.9	85.4	726
TOTALS		100.0	100.0	100.0	100.0	100.0	98.8	89.9	68.2	29.9	84.9	6395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

70-170
STATION

TIN CITY AFS AK
STATION NAME

73-81

PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30%	40%	50%	60	70	80			90
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.2	97.0	81.4	55.5	89.9	758
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	94.6	85.3	59.3	90.1	783
	06-08	100.0	100.0	100.0	100.0	99.4	98.0	92.5	80.8	51.4	86.5	788
	09-11	100.0	100.0	100.0	100.0	99.0	96.6	90.3	72.7	41.3	86.4	790
	12-14	100.0	100.0	100.0	100.0	98.7	97.1	87.0	71.4	40.0	85.3	782
	15-17	100.0	100.0	100.0	100.0	99.2	97.5	87.9	73.5	37.3	85.8	635
	18-20	100.0	100.0	100.0	100.0	99.6	98.8	89.0	76.9	47.5	86.8	511
	21-23	100.0	100.0	100.0	100.0	100.0	99.2	94.4	79.2	48.2	88.6	610
TOTALS		100.0	100.0	100.0	100.0	99.5	98.2	91.6	77.9	46.7	87.6	5656

USAFETAC

FORM
101 64

0-87-5 (OL A)

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 117. TIN CITY AFS AK
STATION

STATION NAME

73-81

PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60	70	80	90		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.5	96.7	86.9	61.1	91.2	784
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	96.3	85.3	62.3	90.9	874
	06-08	100.0	100.0	100.0	100.0	100.0	98.5	94.8	80.5	56.3	89.6	676
	09-11	100.0	100.0	100.0	100.0	99.4	97.0	90.2	69.6	47.0	86.8	578
	12-14	100.0	100.0	100.0	100.0	98.1	94.8	87.3	67.3	43.2	85.4	791
	15-17	100.0	100.0	100.0	100.0	98.8	96.2	88.9	70.7	49.3	86.4	674
	18-20	100.0	100.0	100.0	99.8	99.6	98.3	93.9	75.2	50.7	97.8	474
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	96.3	82.7	55.5	89.6	618
TOTALS		100.0	100.0	100.0	100.0	99.5	98.0	93.1	77.3	53.2	88.5	5693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

701170
STATION

TIN CITY AFS AK

STATION NAME

73-81

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS ULST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80	90		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.1	89.5	49.8	89.2	779
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.7	88.3	50.7	89.5	783
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	97.6	88.0	48.0	88.9	782
	09-11	100.0	100.0	100.0	100.0	100.0	99.1	94.9	76.4	34.9	86.2	785
	12-14	100.0	100.0	100.0	100.0	100.0	98.8	92.9	70.7	28.6	84.9	744
	15-17	100.0	100.0	100.0	100.0	100.0	99.7	94.7	79.5	30.2	86.3	619
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	98.7	88.3	39.1	88.0	545
	21-23	100.0	100.0	100.0	100.0	99.9	99.9	98.4	89.2	44.6	98.6	675
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	96.6	83.7	40.7	87.7	5712

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1170
STATION

TIN CITY AFS AK

STATION NAME

73-81

PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST:	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80	90	
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.6	96.4	81.5	34.3	813
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	96.6	81.3	35.6	814
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.3	81.8	35.3	813
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	96.6	75.1	28.6	812
	12-14	100.0	100.0	100.0	100.0	100.0	99.6	95.3	75.1	26.2	779
	15-17	100.0	100.0	100.0	100.0	100.0	99.6	94.9	77.4	25.5	689
	18-20	100.0	100.0	100.0	100.0	100.0	99.4	97.2	81.7	27.9	572
	21-23	100.0	100.0	100.0	100.0	100.0	99.2	97.2	83.3	28.1	651
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	96.4	79.7	37.3	5673

USAFETAC

FORM
101 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73-8
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
NOV	00-02	100.0	100.0	100.0	99.7	99.4	98.5	90.3	64.5	28.4	83.7	785
	03-05	100.0	100.0	100.0	99.9	99.4	98.2	89.1	67.6	27.2	83.9	786
	06-08	100.0	100.0	100.0	100.0	99.6	98.7	90.2	67.0	30.2	83.9	797
	09-11	100.0	100.0	100.0	100.0	99.6	98.6	92.1	64.2	27.7	83.8	794
	12-14	100.0	100.0	100.0	100.0	99.6	99.5	92.7	65.0	29.7	84.4	756
	15-17	100.0	100.0	100.0	100.0	100.0	98.7	90.4	65.6	27.3	83.9	700
	18-20	100.0	100.0	100.0	100.0	100.0	99.4	89.7	59.4	26.6	83.2	485
	21-23	100.0	100.0	100.0	99.8	99.8	99.0	89.1	63.7	28.4	83.3	612
TOTALS		100.0	100.0	100.0	99.9	99.7	98.8	90.5	64.6	28.2	83.8	5717

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1170
STATION

TIN CITY AFS AK
STATION NAME

73-81

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30	40	50	60	70	80			90
DEC	00-02	100.0	100.0	100.0	100.0	99.1	93.9	73.7	36.5	9.5	76.5	799
	03-05	100.0	100.0	100.0	99.9	99.4	96.0	73.8	36.9	9.3	76.7	804
	06-08	100.0	100.0	100.0	99.6	98.8	94.2	71.1	35.9	8.6	76.2	805
	09-11	100.0	100.0	100.0	99.8	98.2	92.7	70.8	32.9	7.4	75.8	811
	12-14	100.0	100.0	100.0	100.0	98.6	91.4	68.3	36.4	8.2	75.7	770
	15-17	100.0	100.0	100.0	99.5	98.7	91.1	69.9	37.1	9.2	75.9	831
	18-20	100.0	100.0	100.0	100.0	99.2	92.2	72.9	40.1	11.0	77.1	499
	21-23	100.0	100.0	100.0	100.0	99.4	93.4	70.9	36.4	10.0	76.4	649
TOTALS		100.0	100.0	100.0	99.9	98.9	93.1	71.4	36.5	9.2	76.3	5768

USAFETAC

FORM
JUL 84

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1175
STATION

TIN CITY AFS AK
STATION NAME

73-81

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30%	40%	50%	60%	70%	80	90		
JAN	ALL	100.0	99.7	98.6	97.4	96.4	91.4	74.2	39.1	12.9	76.4	5596
FEB		100.0	99.5	98.8	97.9	96.1	86.3	63.5	22.7	6.8	72.5	5421
MAR		99.6	98.4	96.2	93.8	91.5	86.8	66.4	24.4	8.3	72.1	6134
APR		100.0	100.0	99.9	99.4	98.2	91.0	66.3	28.3	10.0	74.9	5886
MAY		100.0	100.0	100.0	100.0	100.0	98.8	89.9	68.2	29.9	84.3	6393
JUN		100.0	100.0	100.0	100.0	99.5	98.2	91.6	77.9	46.7	87.8	5659
JUL		100.0	100.0	100.0	100.0	99.5	98.0	93.1	77.3	53.2	88.5	5693
AUG		100.0	100.0	100.0	100.0	99.9	99.6	97.6	84.3	51.1	89.6	5958
SEP		100.0	100.0	100.0	100.0	100.0	99.6	96.6	83.7	40.7	87.7	5712
OCT		100.0	100.0	100.0	100.0	100.0	99.6	96.4	79.7	30.3	85.8	5873
NOV		100.0	100.0	100.0	99.9	99.7	98.8	90.5	64.6	28.2	83.8	5717
DEC		100.0	100.0	100.0	99.9	98.9	93.1	71.4	36.5	9.2	76.3	5768
TOTALS		100.0	99.8	99.5	99.0	98.3	95.1	83.1	57.2	27.3	81.6	69709

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

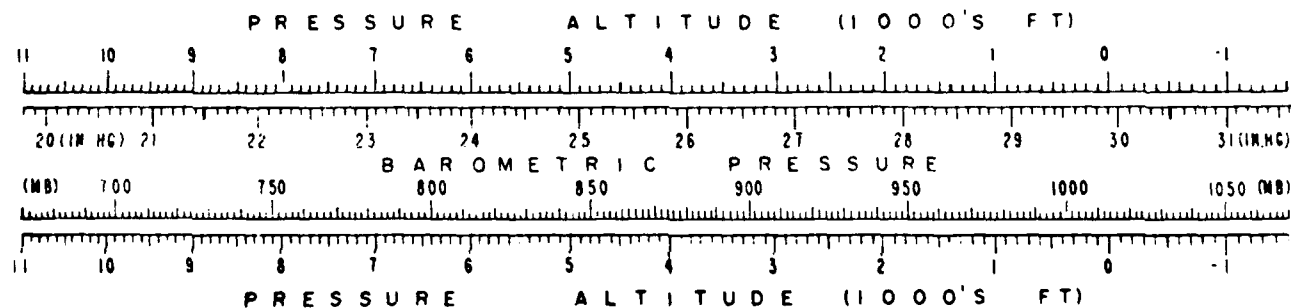
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

7 1979 TIN CITY AFS AK

73-81

USAFETAC FORM 0895 (OLA)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

101170 TIN CITY AFS AK

73-81

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN 1009.81012.51010.81011.91011.31011.91011.21010.71008.41005.61005.91010.3												1010.0
	S.D. 15.36712.627 9.642 9.633 7.584 6.303 5.791 6.795 9.23410.91712.99415.069												10.813
	TOTAL OBS 266 251 273 266 278 261 268 272 260 271 260 266												3192
4	MEAN 1009.71012.31010.51011.61011.11011.61011.01010.41008.21005.51005.71010.0												1009.8
	S.D. 15.21312.719 9.647 9.602 7.605 6.436 5.907 6.820 9.27310.80513.00615.125												10.813
	TOTAL OBS 265 251 273 266 278 261 268 272 261 271 260 267												3193
7	MEAN 1009.71012.11010.41011.61011.21011.71011.01010.51008.21005.61005.51010.0												1009.8
	S.D. 15.24412.797 9.703 9.587 7.619 6.400 5.899 6.859 9.37710.75613.04415.167												10.840
	TOTAL OBS 267 252 274 266 278 263 269 273 261 271 261 266												3201
10	MEAN 1010.11012.51010.71011.81011.41011.81011.31010.71008.41005.91005.81010.2												1010.1
	S.D. 15.25912.798 9.925 9.480 7.638 6.464 5.814 6.928 9.38210.75613.15115.157												10.856
	TOTAL OBS 270 251 275 266 278 264 269 272 262 270 263 269												3209
13	MEAN 1009.71012.51010.71011.81011.41011.61011.41010.71008.41005.71005.71010.2												1010.0
	S.D. 15.50412.862 9.888 9.453 7.653 6.384 5.748 6.935 9.40710.78412.92615.178												10.890
	TOTAL OBS 271 251 275 265 277 263 270 273 261 271 263 266												3206
16	MEAN 1009.01012.61010.81012.31011.31011.81011.21010.11007.71005.21005.31009.8												1009.8
	S.D. 16.51912.489 9.731 9.555 7.570 6.529 5.682 6.928 9.60311.25212.68215.667												11.043
	TOTAL OBS 255 232 248 239 270 221 214 224 210 231 233 214												2791
20	MEAN 1009.21013.71011.11011.81011.31011.41010.71009.91007.81004.21004.31011.4												1009.8
	S.D. 16.94512.310 9.719 9.600 7.408 6.778 5.698 6.767 9.00210.07213.78516.633												11.111
	TOTAL OBS 157 166 199 182 237 171 165 182 167 162 156												2143
2	MEAN 1006.81013.51010.81011.91011.61011.91011.21010.51007.81004.91004.71011.1												1010.0
	S.D. 16.06112.153 9.855 9.536 7.380 6.654 5.768 6.685 9.17710.08113.78615.878												10.937
	TOTAL OBS 211 207 267 237 235 207 221 241 239 216 187 219												2681
ALL HOURS	MEAN 1009.61012.61010.71011.81011.31011.81011.11010.51006.11005.41005.41010.3												1009.9
	S.D. 15.64912.607 9.751 9.557 7.553 6.466 5.790 6.837 9.30110.71213.11615.388												10.900
	TOTAL OBS 1911 1861 2084 1987 2131 1911 1944 2016 1931 1968 1889 1933												23566

USAFETAC FORM 0895 (OLA)

END

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